

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: NEO-RAY

Report Number: P333532-927

Luminaire Tested: **S125RDIP-S610D810U927-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333532-927  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125RDIP-S610D810U927-4F0-1E-UDD-A  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 810 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4467.4 lumens  
Efficiency: N/A  
Efficacy: 116.3 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

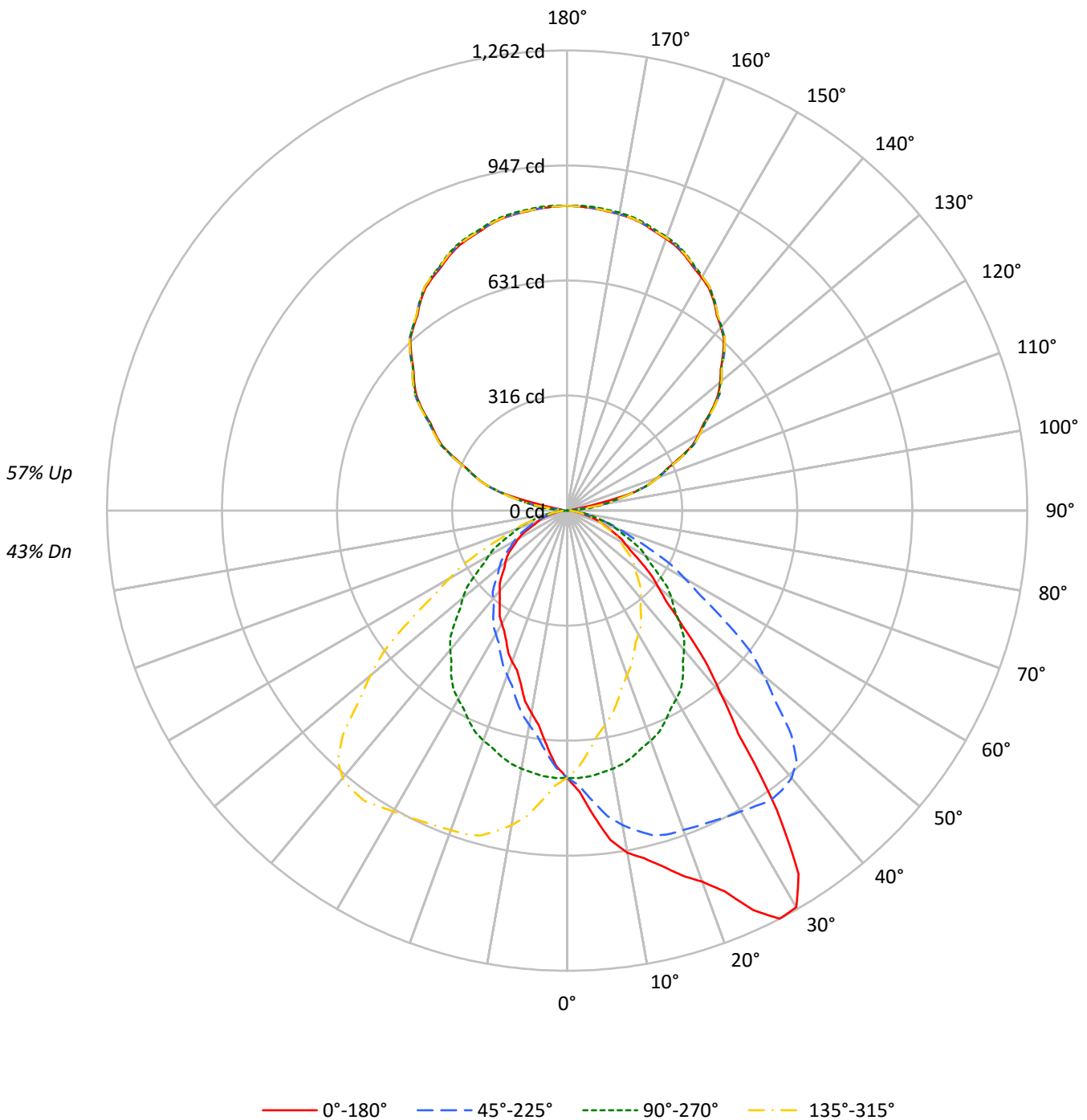
Input Watts (W): 38.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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

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

	0°	90°	180°	270°
0°	4735	4735	4735	4735
5°	5447	4741	4187	4741
10°	6248	4716	3694	4716
15°	6748	4668	3284	4668
20°	7442	4612	3032	4612
25°	8612	4538	2813	4538
30°	9371	4459	2671	4459
35°	7905	4368	2539	4368
40°	5520	4204	2426	4204
45°	4095	3982	2314	3982
50°	3265	3752	2219	3752
55°	2771	3466	2135	3466
60°	2395	3211	1998	3211
65°	2135	2934	1721	2934
70°	1875	2689	1567	2689
75°	1622	2328	1472	2328
80°	1231	1960	1231	1960
85°	1030	1541	1163	1541



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	70.3	1.6
10°-20°	206.0	4.6
20°-30°	326.6	7.3
30°-40°	393.9	8.8
40°-50°	351.8	7.9
50°-60°	269.8	6.0
60°-70°	175.3	3.9
70°-80°	85.2	1.9
80°-90°	22.1	0.5
90°-100°	30.4	0.7
100°-110°	187.2	4.2
110°-120°	339.5	7.6
120°-130°	435.7	9.8
130°-140°	468.6	10.5
140°-150°	439.8	9.8
150°-160°	355.8	8.0
160°-170°	230.1	5.2
170°-180°	79.4	1.8
0°-30°	602.9	13.5
0°-40°	996.8	22.3
0°-60°	1618.4	36.2
0°-90°	1901.0	42.6
90°-120°	557.0	12.5
90°-150°	1901.1	42.6
90°-180°	2566.0	57.4
0°-180°	4467.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	733	733	733	733	733	
5°	840	731	646	731	840	84
15°	1009	698	491	698	1009	289
25°	1209	637	395	637	1209	555
35°	1003	554	322	554	1003	606
45°	448	436	253	436	448	358
55°	246	308	190	308	246	223
65°	140	192	113	192	140	139
75°	65	93	59	93	65	69
85°	14	21	16	21	14	16
90°	15	1	15	1	15	7
95°	13	35	13	35	13	11
105°	184	182	184	182	184	166
115°	340	342	340	342	340	337
125°	486	486	486	486	486	433
135°	604	606	604	606	604	466
145°	701	703	701	703	701	438
155°	769	774	769	774	769	354
165°	813	817	813	817	813	229
175°	832	836	832	836	832	79
180°	836	836	836	836	836	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1
2.5°	771.1	770.6	771.6	768.9	769.2	765.1	765.1	761.9	757.9	754.7	753.3
5°	840.2	840.8	839.6	835.0	832.0	827.5	822.4	813.4	805.9	798.7	793.0
7.5°	911.3	911.7	907.8	906.4	898.8	893.3	881.9	869.7	858.7	844.9	834.3
10°	952.8	952.4	948.2	944.9	938.3	929.9	918.7	904.3	890.7	875.7	861.3
12.5°	976.8	976.0	974.7	970.7	964.6	957.0	947.6	933.4	916.7	900.2	883.4
15°	1009.3	1007.2	1003.3	998.1	989.4	980.7	970.2	957.6	941.6	923.0	907.3
17.5°	1049.5	1049.6	1043.5	1036.5	1024.6	1009.2	992.9	972.6	950.9	930.3	913.7
20°	1082.8	1081.8	1075.8	1062.0	1048.5	1029.2	1010.5	985.6	959.1	932.2	911.5
22.5°	1130.4	1128.1	1121.8	1103.6	1082.6	1057.8	1029.3	998.8	966.8	936.4	909.1
25°	1208.6	1206.7	1194.4	1173.3	1143.8	1105.6	1068.3	1026.4	980.4	940.4	907.3
27.5°	1261.9	1260.0	1250.9	1233.3	1206.1	1165.9	1115.4	1059.5	1002.0	947.0	899.2
30°	1256.6	1261.2	1260.0	1251.9	1231.4	1195.2	1148.7	1085.8	1017.4	952.8	895.9
32.5°	1181.1	1185.1	1195.7	1211.6	1212.8	1198.4	1163.6	1105.5	1034.7	961.2	893.2
35°	1002.7	1008.1	1028.6	1060.7	1102.9	1138.1	1145.3	1114.0	1050.5	971.4	889.2
37.5°	770.9	800.5	817.7	851.6	915.2	980.0	1042.3	1065.2	1038.2	967.2	882.8
40°	654.8	662.0	692.8	730.9	784.5	851.9	940.7	1004.8	1006.9	957.6	872.7
42.5°	560.5	569.6	590.7	621.2	667.0	734.4	826.1	910.7	949.8	931.1	859.4
45°	448.4	455.3	470.6	494.1	529.3	585.0	663.8	761.7	839.3	869.7	823.9
47.5°	368.4	372.1	385.4	403.3	429.4	469.9	530.9	615.8	709.0	774.3	767.9
50°	325.0	329.2	339.5	353.0	374.9	409.2	458.0	528.7	624.7	704.5	720.4
52.5°	291.3	294.8	301.2	314.0	332.1	358.5	397.8	461.8	548.2	633.0	669.9
55°	246.1	248.6	253.7	260.9	275.4	294.3	328.3	372.6	442.4	527.8	582.0
57.5°	209.0	210.2	213.4	220.1	230.0	243.9	268.5	306.0	356.1	433.0	492.8
60°	185.4	186.6	190.8	195.3	203.1	215.8	235.0	261.2	309.3	372.9	433.3
62.5°	166.6	167.3	169.1	173.6	180.5	190.3	205.4	226.8	265.1	320.8	378.0
65°	139.7	139.9	140.5	144.2	148.4	155.6	165.5	180.5	209.5	251.6	302.1
67.5°	113.8	114.2	116.3	117.6	121.9	125.7	131.6	143.1	163.4	191.8	231.1
70°	99.3	99.0	101.1	102.6	104.1	108.6	112.6	121.8	134.5	156.2	189.0
72.5°	85.8	85.1	86.0	86.5	88.5	91.6	95.5	101.2	110.9	125.9	150.9
75°	65.0	65.3	65.3	65.9	67.4	68.6	69.8	72.8	78.3	88.2	101.7
77.5°	45.6	45.2	46.4	46.6	47.5	48.8	49.8	51.0	53.2	57.4	64.3
80°	33.1	33.1	33.4	34.3	34.0	34.6	36.1	37.3	40.0	42.5	44.8
82.5°	25.4	25.2	25.4	25.7	25.6	26.1	26.7	26.9	28.0	29.2	30.9
85°	13.9	13.9	14.2	14.2	14.4	14.4	14.7	14.7	14.7	15.1	15.4
87.5°	8.2	7.9	7.6	7.5	7.7	8.1	7.7	7.3	7.2	7.1	7.1
90°	14.9	14.4	14.0	13.6	13.2	12.7	12.0	11.3	10.6	9.9	9.0
92.5°	13.9	13.7	13.5	13.3	13.1	12.7	12.0	11.3	10.6	9.9	9.0
95°	13.0	13.0	13.0	13.0	13.0	12.7	12.0	11.3	10.6	9.9	15.1
97.5°	13.0	13.0	13.0	13.0	13.0	15.0	18.9	22.7	26.6	30.5	40.8
100°	13.0	13.5	14.1	14.7	15.2	25.7	46.3	66.8	87.3	107.8	107.3
102.5°	78.0	87.3	96.6	106.0	115.4	122.0	125.9	129.8	133.6	137.5	137.2
105°	184.0	184.1	184.3	184.4	184.6	184.6	184.6	184.6	184.6	184.6	184.6
107.5°	232.0	232.3	232.7	233.2	233.6	233.8	233.8	233.8	233.7	233.7	233.4
110°	265.1	265.0	264.9	264.7	264.6	264.7	265.1	265.5	266.0	266.4	266.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	294.9	295.1	295.2	295.5	295.6	296.0	296.5	297.1	297.6	298.1	297.9
115°	339.5	340.3	341.1	342.0	342.8	343.5	344.0	344.6	345.2	345.7	345.5
117.5°	387.1	387.5	387.8	388.2	388.5	389.0	389.8	390.5	391.2	391.9	391.4
120°	416.3	417.0	417.7	418.4	419.1	419.5	419.9	420.1	420.4	420.6	420.3
122.5°	444.1	444.9	445.7	446.5	447.3	447.8	448.1	448.4	448.6	448.9	448.7
125°	486.3	486.7	487.1	487.6	488.0	488.5	489.0	489.6	490.1	490.7	490.7
127.5°	521.9	522.9	523.9	525.0	525.9	526.6	527.0	527.2	527.5	527.8	527.9
130°	547.6	548.3	549.1	549.7	550.4	551.0	551.4	551.8	552.2	552.6	552.5
132.5°	571.5	572.1	572.8	573.5	574.2	574.6	574.6	574.7	574.8	574.9	575.2
135°	604.0	604.8	605.7	606.5	607.4	607.9	608.2	608.5	608.7	609.0	609.3
137.5°	636.8	637.5	638.2	638.9	639.6	639.9	639.8	639.8	639.8	639.7	640.0
140°	656.1	656.9	657.7	658.5	659.4	659.7	659.4	659.1	658.9	658.5	658.7
142.5°	674.4	675.3	676.0	676.9	677.7	678.1	678.0	678.0	677.9	677.9	677.7
145°	701.3	702.1	703.0	703.8	704.6	705.0	704.8	704.6	704.6	704.4	704.4
147.5°	723.5	724.5	725.5	726.4	727.5	727.9	727.7	727.5	727.4	727.2	727.1
150°	737.8	738.9	740.1	741.2	742.3	742.7	742.4	742.1	741.9	741.6	741.3
152.5°	751.2	752.3	753.2	754.2	755.2	755.6	755.3	755.0	754.7	754.5	754.2
155°	768.8	769.9	771.0	772.1	773.2	773.6	773.2	772.8	772.3	771.9	771.7
157.5°	783.5	784.7	785.8	786.9	788.0	788.3	787.9	787.4	787.0	786.6	786.5
160°	793.0	794.1	795.2	796.3	797.4	797.6	797.1	796.5	796.0	795.4	795.4
162.5°	801.5	802.6	803.8	805.0	806.3	806.4	805.7	804.9	804.1	803.4	803.3
165°	812.8	813.9	815.0	816.1	817.2	817.4	816.5	815.7	814.9	814.0	813.9
167.5°	820.8	822.0	823.2	824.4	825.7	825.9	824.8	823.9	822.8	821.9	821.7
170°	825.2	826.4	827.7	828.9	830.1	830.2	829.1	828.0	827.0	825.9	825.7
172.5°	828.1	829.4	830.7	831.9	833.1	833.3	832.3	831.2	830.3	829.3	829.0
175°	832.0	833.3	834.5	835.8	836.9	837.0	835.9	834.8	833.8	832.7	832.5
177.5°	834.2	835.1	836.0	836.9	837.8	837.8	837.0	836.3	835.5	834.7	834.6
180°	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1
2.5°	753.3	751.6	748.5	745.6	742.0	738.9	736.7	734.0	730.6	726.6	723.2
5°	786.6	780.0	771.3	763.7	754.2	746.6	738.8	731.3	723.7	714.1	705.7
7.5°	823.6	809.9	796.6	779.9	764.7	751.1	738.2	725.0	712.1	698.5	685.2
10°	846.2	829.7	811.3	790.2	771.0	752.7	735.8	719.2	701.8	686.4	669.9
12.5°	867.4	846.1	825.1	798.4	775.3	752.9	731.4	710.8	692.1	672.2	654.4
15°	886.5	865.5	842.0	809.5	777.3	750.2	724.9	698.2	675.0	652.7	632.9
17.5°	893.9	871.9	844.5	813.3	778.2	744.1	711.5	682.1	654.9	628.9	606.6
20°	891.0	869.7	841.7	811.9	774.3	738.8	703.5	671.1	640.6	613.3	589.5
22.5°	884.1	862.0	835.0	803.5	767.8	730.1	692.5	657.8	626.0	597.6	571.7
25°	873.6	843.5	815.8	785.1	751.1	713.8	675.0	636.8	602.8	573.9	545.6
27.5°	862.7	825.1	790.0	759.4	723.5	690.2	652.8	613.6	577.8	548.4	519.4
30°	852.9	810.7	771.9	737.3	703.3	671.7	636.1	597.9	561.3	530.8	501.4
32.5°	840.6	795.7	753.1	713.2	680.4	649.0	616.9	580.4	544.6	513.3	483.3
35°	825.1	767.9	721.6	679.2	642.8	612.4	583.5	554.0	518.2	485.7	456.5
37.5°	804.9	740.1	686.4	640.2	601.8	571.2	548.5	521.5	488.9	457.7	430.6
40°	792.7	719.9	661.2	615.4	575.0	542.9	521.5	498.6	468.8	439.7	412.6
42.5°	776.3	701.3	635.6	588.0	547.4	516.4	494.8	474.8	449.8	422.3	393.3
45°	744.2	665.4	596.4	545.3	504.4	474.0	453.8	436.0	417.1	391.8	366.5
47.5°	702.4	627.9	555.7	499.9	459.8	431.6	412.0	398.0	384.4	363.0	338.4
50°	669.0	597.1	526.6	472.5	429.8	402.9	384.6	373.4	361.1	341.6	321.1
52.5°	629.5	565.3	496.3	440.9	400.6	375.5	357.8	346.7	336.5	320.6	301.1
55°	567.3	511.0	447.7	397.5	360.5	335.3	318.4	307.8	301.8	288.3	272.9
57.5°	495.4	455.1	399.4	350.9	318.2	293.2	280.9	272.0	265.1	255.6	244.7
60°	445.4	417.1	367.1	321.1	291.0	267.2	256.1	248.6	242.2	234.1	225.7
62.5°	394.6	374.0	330.6	291.0	263.3	243.4	233.0	226.2	218.9	213.4	205.3
65°	326.5	308.2	278.1	247.1	221.5	205.6	198.0	192.0	187.5	181.5	175.7
67.5°	254.0	246.5	225.8	204.4	186.0	171.8	165.3	161.1	155.7	152.1	148.1
70°	209.5	205.8	191.1	177.0	159.8	150.2	144.2	142.4	135.7	132.1	129.4
72.5°	170.0	168.3	159.8	150.0	137.9	129.4	123.9	121.8	117.6	114.8	113.0
75°	116.5	117.1	115.6	109.2	104.7	99.3	94.5	93.3	90.3	87.9	86.3
77.5°	73.7	76.8	76.8	76.5	74.8	71.5	69.5	68.5	65.6	64.7	64.3
80°	50.5	53.9	56.9	56.6	56.0	55.1	53.6	52.7	51.2	50.2	49.7
82.5°	33.7	36.8	39.3	41.0	40.8	39.9	38.9	38.4	38.2	37.5	37.4
85°	15.9	16.6	17.4	19.6	21.1	21.4	21.1	20.8	19.9	20.2	20.4
87.5°	7.1	7.0	7.0	6.8	6.3	7.3	7.8	7.8	7.6	7.3	7.1
90°	8.0	7.1	6.0	5.0	4.0	2.9	1.7	0.6	1.7	2.9	4.0
92.5°	8.2	7.4	6.5	6.5	7.2	8.0	8.8	9.5	8.8	8.0	7.2
95°	20.4	25.6	30.8	33.7	34.1	34.5	34.9	35.3	34.9	34.5	34.1
97.5°	51.2	61.6	71.9	76.7	76.0	75.2	74.5	73.8	74.5	75.2	76.0
100°	106.7	106.2	105.6	105.1	104.7	104.3	103.9	103.5	103.9	104.3	104.7
102.5°	136.9	136.6	136.2	135.8	135.2	134.8	134.2	133.7	134.2	134.8	135.2
105°	184.6	184.6	184.6	184.3	183.8	183.2	182.7	182.1	182.7	183.2	183.8
107.5°	233.1	232.8	232.6	232.4	232.4	232.4	232.4	232.4	232.4	232.4	232.4
110°	265.9	265.5	265.3	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1





TEST NUMBER: P333532-927

CATALOG NUMBER: S125RDIP-S610D810U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	297.8	297.6	297.5	297.2	296.9	296.5	296.2	295.9	296.2	296.5	296.9
115°	345.4	345.3	345.2	344.8	344.0	343.3	342.7	342.0	342.7	343.3	344.0
117.5°	390.9	390.3	389.8	389.6	389.6	389.6	389.7	389.7	389.7	389.6	389.6
120°	419.9	419.4	419.0	418.8	419.0	419.1	419.3	419.4	419.3	419.1	419.0
122.5°	448.5	448.3	448.1	447.7	447.3	446.7	446.2	445.7	446.2	446.7	447.3
125°	490.7	490.7	490.7	490.2	489.3	488.2	487.3	486.3	487.3	488.2	489.3
127.5°	528.0	528.1	528.1	527.8	527.2	526.5	525.8	525.1	525.8	526.5	527.2
130°	552.3	552.2	552.1	551.7	551.0	550.2	549.6	548.9	549.6	550.2	551.0
132.5°	575.5	575.8	576.2	575.9	575.0	574.3	573.5	572.7	573.5	574.3	575.0
135°	609.5	609.8	610.1	609.8	609.0	608.2	607.4	606.5	607.4	608.2	609.0
137.5°	640.2	640.5	640.7	640.5	639.8	639.1	638.3	637.6	638.3	639.1	639.8
140°	658.9	658.9	659.1	659.0	658.8	658.5	658.2	657.9	658.2	658.5	658.8
142.5°	677.5	677.3	677.1	676.9	676.8	676.6	676.4	676.3	676.4	676.6	676.8
145°	704.4	704.4	704.4	704.3	704.0	703.7	703.5	703.1	703.5	703.7	704.0
147.5°	726.8	726.7	726.5	726.5	726.5	726.6	726.7	726.7	726.7	726.6	726.5
150°	741.0	740.8	740.5	740.5	740.8	741.0	741.3	741.6	741.3	741.0	740.8
152.5°	753.9	753.6	753.4	753.5	754.2	754.7	755.3	756.0	755.3	754.7	754.2
155°	771.3	771.1	770.8	771.1	771.9	772.8	773.6	774.4	773.6	772.8	771.9
157.5°	786.5	786.5	786.4	786.6	787.2	787.7	788.1	788.6	788.1	787.7	787.2
160°	795.2	795.0	795.0	795.3	796.1	796.9	797.7	798.6	797.7	796.9	796.1
162.5°	803.1	803.0	802.9	803.2	804.0	804.9	805.6	806.5	805.6	804.9	804.0
165°	813.8	813.7	813.5	813.8	814.7	815.5	816.3	817.1	816.3	815.5	814.7
167.5°	821.6	821.4	821.3	821.7	822.5	823.4	824.3	825.1	824.3	823.4	822.5
170°	825.5	825.4	825.3	825.7	826.6	827.6	828.5	829.6	828.5	827.6	826.6
172.5°	828.8	828.5	828.3	828.6	829.7	830.6	831.6	832.5	831.6	830.6	829.7
175°	832.3	832.2	832.1	832.4	833.3	834.1	834.9	835.8	834.9	834.1	833.3
177.5°	834.5	834.4	834.3	834.6	835.3	835.9	836.5	837.3	836.5	835.9	835.3
180°	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8



TEST NUMBER: P333532-927

CATALOG NUMBER: S125RDIP-S610D810U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1
2.5°	720.8	717.4	715.0	710.2	706.8	705.4	702.7	702.0	704.6	702.7	702.5
5°	699.3	690.6	683.7	676.8	669.2	664.5	657.2	656.0	654.2	651.5	650.9
7.5°	673.7	662.3	653.4	641.9	632.0	624.0	615.0	610.7	608.3	604.8	600.2
10°	656.3	642.8	630.7	619.3	607.0	597.1	588.0	581.1	576.6	572.4	570.5
12.5°	639.2	625.4	610.1	596.2	582.4	571.2	561.3	556.7	551.8	546.8	542.6
15°	612.7	594.3	577.5	561.5	549.8	537.7	528.1	521.5	514.0	511.9	503.7
17.5°	584.6	566.5	546.8	530.0	516.4	503.1	492.6	485.1	479.3	471.6	467.9
20°	567.0	545.6	526.3	511.0	495.9	480.3	469.4	463.1	457.7	451.4	448.4
22.5°	548.2	527.3	507.6	489.6	474.3	458.8	451.1	444.6	438.5	432.6	428.6
25°	520.6	499.6	478.8	460.1	444.2	433.0	424.0	416.5	413.2	407.4	403.2
27.5°	493.4	471.0	449.4	430.8	418.3	407.3	399.9	394.0	387.9	382.9	379.3
30°	475.8	452.9	429.4	414.7	401.4	390.9	382.8	377.1	372.6	368.0	365.4
32.5°	458.2	434.6	413.8	397.8	385.3	376.2	367.9	362.3	357.6	352.6	349.4
35°	430.0	405.9	389.1	373.4	361.1	352.7	347.0	339.1	335.3	331.6	328.3
37.5°	403.9	381.4	363.2	349.5	338.8	330.4	323.1	318.8	314.0	310.8	308.0
40°	384.6	364.1	347.6	333.1	325.3	316.0	309.0	303.6	300.0	295.8	292.8
42.5°	367.3	348.2	332.2	319.2	309.4	301.5	294.9	289.5	284.9	281.9	279.3
45°	342.8	323.8	308.2	296.1	287.1	279.6	272.7	269.9	263.9	260.3	259.1
47.5°	317.4	300.5	285.3	274.3	265.0	257.9	251.4	245.9	242.6	239.0	237.1
50°	300.3	284.1	269.9	259.1	250.1	242.2	236.2	232.6	228.1	224.8	222.4
52.5°	283.2	268.2	254.1	243.7	235.8	228.1	221.3	217.7	213.4	211.3	209.6
55°	258.8	242.9	230.8	220.5	212.5	205.3	198.9	195.3	192.6	190.5	189.9
57.5°	231.1	218.5	207.3	198.0	189.6	182.8	177.3	173.9	171.5	171.2	169.4
60°	213.0	201.6	191.4	181.5	174.2	167.9	163.1	159.2	156.8	156.5	155.9
62.5°	195.0	184.0	174.5	165.8	159.3	153.2	148.7	144.3	142.8	141.3	140.0
65°	168.2	158.3	150.4	143.5	136.7	131.5	127.0	124.3	121.0	119.1	115.9
67.5°	141.9	134.2	126.7	120.9	115.4	110.6	106.9	102.8	100.6	99.1	96.7
70°	124.6	118.6	111.1	104.7	100.5	96.6	93.6	89.0	87.5	86.3	85.2
72.5°	108.2	102.9	96.6	91.5	87.3	83.6	80.1	78.0	76.5	75.3	74.5
75°	85.2	80.0	74.6	71.0	68.0	65.0	63.2	61.7	61.1	60.8	59.6
77.5°	62.5	59.8	55.5	52.6	50.6	49.4	47.8	47.0	47.0	45.6	45.2
80°	47.8	46.3	42.7	41.5	40.0	38.8	37.9	36.4	34.9	34.3	33.4
82.5°	35.6	34.1	32.6	30.7	29.5	28.7	27.8	27.3	27.4	26.6	26.1
85°	18.9	17.4	16.9	16.6	15.9	16.6	16.2	15.9	15.7	15.4	15.7
87.5°	7.1	7.2	7.2	7.8	7.3	7.8	7.9	7.8	7.9	8.1	7.9
90°	5.0	6.0	7.1	8.0	9.0	9.9	10.6	11.3	12.0	12.7	13.2
92.5°	6.5	6.5	7.4	8.2	9.0	9.9	10.6	11.3	12.0	12.7	13.1
95°	33.7	30.8	25.6	20.4	15.1	9.9	10.6	11.3	12.0	12.7	13.0
97.5°	76.7	71.9	61.6	51.2	40.8	30.5	26.6	22.7	18.9	15.0	13.0
100°	105.1	105.6	106.2	106.7	107.3	107.8	87.3	66.8	46.3	25.7	15.2
102.5°	135.8	136.2	136.6	136.9	137.2	137.5	133.6	129.8	125.9	122.0	115.4
105°	184.3	184.6	184.6	184.6	184.6	184.6	184.6	184.6	184.6	184.6	184.6
107.5°	232.4	232.6	232.8	233.1	233.4	233.7	233.7	233.8	233.8	233.8	233.6
110°	265.1	265.3	265.5	265.9	266.1	266.4	266.0	265.5	265.1	264.7	264.6



TEST NUMBER: P333532-927

CATALOG NUMBER: S125RDIP-S610D810U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	297.2	297.5	297.6	297.8	297.9	298.1	297.6	297.1	296.5	296.0	295.6
115°	344.8	345.2	345.3	345.4	345.5	345.7	345.2	344.6	344.0	343.5	342.8
117.5°	389.6	389.8	390.3	390.9	391.4	391.9	391.2	390.5	389.8	389.0	388.5
120°	418.8	419.0	419.4	419.9	420.3	420.6	420.4	420.1	419.9	419.5	419.1
122.5°	447.7	448.1	448.3	448.5	448.7	448.9	448.6	448.4	448.1	447.8	447.3
125°	490.2	490.7	490.7	490.7	490.7	490.7	490.1	489.6	489.0	488.5	488.0
127.5°	527.8	528.1	528.1	528.0	527.9	527.8	527.5	527.2	527.0	526.6	525.9
130°	551.7	552.1	552.2	552.3	552.5	552.6	552.2	551.8	551.4	551.0	550.4
132.5°	575.9	576.2	575.8	575.5	575.2	574.9	574.8	574.7	574.6	574.6	574.2
135°	609.8	610.1	609.8	609.5	609.3	609.0	608.7	608.5	608.2	607.9	607.4
137.5°	640.5	640.7	640.5	640.2	640.0	639.7	639.8	639.8	639.8	639.9	639.6
140°	659.0	659.1	658.9	658.9	658.7	658.5	658.9	659.1	659.4	659.7	659.4
142.5°	676.9	677.1	677.3	677.5	677.7	677.9	677.9	678.0	678.0	678.1	677.7
145°	704.3	704.4	704.4	704.4	704.4	704.4	704.6	704.6	704.8	705.0	704.6
147.5°	726.5	726.5	726.7	726.8	727.1	727.2	727.4	727.5	727.7	727.9	727.5
150°	740.5	740.5	740.8	741.0	741.3	741.6	741.9	742.1	742.4	742.7	742.3
152.5°	753.5	753.4	753.6	753.9	754.2	754.5	754.7	755.0	755.3	755.6	755.2
155°	771.1	770.8	771.1	771.3	771.7	771.9	772.3	772.8	773.2	773.6	773.2
157.5°	786.6	786.4	786.5	786.5	786.5	786.6	787.0	787.4	787.9	788.3	788.0
160°	795.3	795.0	795.0	795.2	795.4	795.4	796.0	796.5	797.1	797.6	797.4
162.5°	803.2	802.9	803.0	803.1	803.3	803.4	804.1	804.9	805.7	806.4	806.3
165°	813.8	813.5	813.7	813.8	813.9	814.0	814.9	815.7	816.5	817.4	817.2
167.5°	821.7	821.3	821.4	821.6	821.7	821.9	822.8	823.9	824.8	825.9	825.7
170°	825.7	825.3	825.4	825.5	825.7	825.9	827.0	828.0	829.1	830.2	830.1
172.5°	828.6	828.3	828.5	828.8	829.0	829.3	830.3	831.2	832.3	833.3	833.1
175°	832.4	832.1	832.2	832.3	832.5	832.7	833.8	834.8	835.9	837.0	836.9
177.5°	834.6	834.3	834.4	834.5	834.6	834.7	835.5	836.3	837.0	837.8	837.8
180°	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8



TEST NUMBER: P333532-927

CATALOG NUMBER: S125RDIP-S610D810U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1
2.5°	702.3	699.6	698.9	699.8	698.9	699.6	702.3	702.5	702.7	704.6	702.0
5°	647.9	644.9	646.4	645.8	646.4	644.9	647.9	650.9	651.5	654.2	656.0
7.5°	600.1	596.4	592.4	593.7	592.4	596.4	600.1	600.2	604.8	608.3	610.7
10°	566.6	563.6	561.8	563.3	561.8	563.6	566.6	570.5	572.4	576.6	581.1
12.5°	538.4	536.7	535.1	534.5	535.1	536.7	538.4	542.6	546.8	551.8	556.7
15°	500.1	496.5	495.0	491.2	495.0	496.5	500.1	503.7	511.9	514.0	521.5
17.5°	464.8	463.6	459.7	458.0	459.7	463.6	464.8	467.9	471.6	479.3	485.1
20°	443.9	442.7	438.8	441.2	438.8	442.7	443.9	448.4	451.4	457.7	463.1
22.5°	426.5	423.9	422.6	421.9	422.6	423.9	426.5	428.6	432.6	438.5	444.6
25°	402.0	398.2	396.6	394.8	396.6	398.2	402.0	403.2	407.4	413.2	416.5
27.5°	377.6	375.5	373.5	373.0	373.5	375.5	377.6	379.3	382.9	387.9	394.0
30°	361.7	359.6	358.1	358.1	358.1	359.6	361.7	365.4	368.0	372.6	377.1
32.5°	347.5	345.9	344.4	344.1	344.4	345.9	347.5	349.4	352.6	357.6	362.3
35°	326.8	324.4	323.8	322.0	323.8	324.4	326.8	328.3	331.6	335.3	339.1
37.5°	305.3	303.3	303.2	303.1	303.2	303.3	305.3	308.0	310.8	314.0	318.8
40°	291.6	290.1	289.8	287.7	289.8	290.1	291.6	292.8	295.8	300.0	303.6
42.5°	276.9	276.2	275.1	274.2	275.1	276.2	276.9	279.3	281.9	284.9	289.5
45°	257.0	254.9	254.9	253.4	254.9	254.9	257.0	259.1	260.3	263.9	269.9
47.5°	236.4	234.8	235.0	233.4	235.0	234.8	236.4	237.1	239.0	242.6	245.9
50°	222.7	221.8	221.5	220.9	221.5	221.8	222.7	222.4	224.8	228.1	232.6
52.5°	209.0	208.6	209.7	208.3	209.7	208.6	209.0	209.6	211.3	213.4	217.7
55°	190.5	189.6	191.4	189.6	191.4	189.6	190.5	189.9	190.5	192.6	195.3
57.5°	169.2	168.4	170.0	169.1	170.0	168.4	169.2	169.4	171.2	171.5	173.9
60°	155.3	153.4	154.4	154.7	154.4	153.4	155.3	155.9	156.5	156.8	159.2
62.5°	138.6	137.6	138.2	136.9	138.2	137.6	138.6	140.0	141.3	142.8	144.3
65°	115.3	114.4	113.1	112.6	113.1	114.4	115.3	115.9	119.1	121.0	124.3
67.5°	96.8	94.7	94.6	95.1	94.6	94.7	96.8	96.7	99.1	100.6	102.8
70°	83.3	83.3	83.0	83.0	83.0	83.3	83.3	85.2	86.3	87.5	89.0
72.5°	74.0	73.8	73.2	73.0	73.2	73.8	74.0	74.5	75.3	76.5	78.0
75°	59.6	59.9	59.3	59.0	59.3	59.9	59.6	59.6	60.8	61.1	61.7
77.5°	44.0	42.7	43.4	42.7	43.4	42.7	44.0	45.2	45.6	47.0	47.0
80°	33.4	33.1	34.0	33.1	34.0	33.1	33.4	33.4	34.3	34.9	36.4
82.5°	26.5	26.1	26.5	25.9	26.5	26.1	26.5	26.1	26.6	27.4	27.3
85°	15.9	15.7	15.4	15.7	15.4	15.7	15.9	15.7	15.4	15.7	15.9
87.5°	8.2	8.1	8.2	8.2	8.2	8.1	8.2	7.9	8.1	7.9	7.8
90°	13.6	14.0	14.4	14.9	14.4	14.0	13.6	13.2	12.7	12.0	11.3
92.5°	13.3	13.5	13.7	13.9	13.7	13.5	13.3	13.1	12.7	12.0	11.3
95°	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	12.7	12.0	11.3
97.5°	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	15.0	18.9	22.7
100°	14.7	14.1	13.5	13.0	13.5	14.1	14.7	15.2	25.7	46.3	66.8
102.5°	106.0	96.6	87.3	78.0	87.3	96.6	106.0	115.4	122.0	125.9	129.8
105°	184.4	184.3	184.1	184.0	184.1	184.3	184.4	184.6	184.6	184.6	184.6
107.5°	233.2	232.7	232.3	232.0	232.3	232.7	233.2	233.6	233.8	233.8	233.8
110°	264.7	264.9	265.0	265.1	265.0	264.9	264.7	264.6	264.7	265.1	265.5



TEST NUMBER: P333532-927

CATALOG NUMBER: S125RDIP-S610D810U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	295.5	295.2	295.1	294.9	295.1	295.2	295.5	295.6	296.0	296.5	297.1
115°	342.0	341.1	340.3	339.5	340.3	341.1	342.0	342.8	343.5	344.0	344.6
117.5°	388.2	387.8	387.5	387.1	387.5	387.8	388.2	388.5	389.0	389.8	390.5
120°	418.4	417.7	417.0	416.3	417.0	417.7	418.4	419.1	419.5	419.9	420.1
122.5°	446.5	445.7	444.9	444.1	444.9	445.7	446.5	447.3	447.8	448.1	448.4
125°	487.6	487.1	486.7	486.3	486.7	487.1	487.6	488.0	488.5	489.0	489.6
127.5°	525.0	523.9	522.9	521.9	522.9	523.9	525.0	525.9	526.6	527.0	527.2
130°	549.7	549.1	548.3	547.6	548.3	549.1	549.7	550.4	551.0	551.4	551.8
132.5°	573.5	572.8	572.1	571.5	572.1	572.8	573.5	574.2	574.6	574.6	574.7
135°	606.5	605.7	604.8	604.0	604.8	605.7	606.5	607.4	607.9	608.2	608.5
137.5°	638.9	638.2	637.5	636.8	637.5	638.2	638.9	639.6	639.9	639.8	639.8
140°	658.5	657.7	656.9	656.1	656.9	657.7	658.5	659.4	659.7	659.4	659.1
142.5°	676.9	676.0	675.3	674.4	675.3	676.0	676.9	677.7	678.1	678.0	678.0
145°	703.8	703.0	702.1	701.3	702.1	703.0	703.8	704.6	705.0	704.8	704.6
147.5°	726.4	725.5	724.5	723.5	724.5	725.5	726.4	727.5	727.9	727.7	727.5
150°	741.2	740.1	738.9	737.8	738.9	740.1	741.2	742.3	742.7	742.4	742.1
152.5°	754.2	753.2	752.3	751.2	752.3	753.2	754.2	755.2	755.6	755.3	755.0
155°	772.1	771.0	769.9	768.8	769.9	771.0	772.1	773.2	773.6	773.2	772.8
157.5°	786.9	785.8	784.7	783.5	784.7	785.8	786.9	788.0	788.3	787.9	787.4
160°	796.3	795.2	794.1	793.0	794.1	795.2	796.3	797.4	797.6	797.1	796.5
162.5°	805.0	803.8	802.6	801.5	802.6	803.8	805.0	806.3	806.4	805.7	804.9
165°	816.1	815.0	813.9	812.8	813.9	815.0	816.1	817.2	817.4	816.5	815.7
167.5°	824.4	823.2	822.0	820.8	822.0	823.2	824.4	825.7	825.9	824.8	823.9
170°	828.9	827.7	826.4	825.2	826.4	827.7	828.9	830.1	830.2	829.1	828.0
172.5°	831.9	830.7	829.4	828.1	829.4	830.7	831.9	833.1	833.3	832.3	831.2
175°	835.8	834.5	833.3	832.0	833.3	834.5	835.8	836.9	837.0	835.9	834.8
177.5°	836.9	836.0	835.1	834.2	835.1	836.0	836.9	837.8	837.8	837.0	836.3
180°	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8



TEST NUMBER: P333532-927

CATALOG NUMBER: S125RDIP-S610D810U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1
2.5°	702.7	705.4	706.8	710.2	715.0	717.4	720.8	723.2	726.6	730.6	734.0
5°	657.2	664.5	669.2	676.8	683.7	690.6	699.3	705.7	714.1	723.7	731.3
7.5°	615.0	624.0	632.0	641.9	653.4	662.3	673.7	685.2	698.5	712.1	725.0
10°	588.0	597.1	607.0	619.3	630.7	642.8	656.3	669.9	686.4	701.8	719.2
12.5°	561.3	571.2	582.4	596.2	610.1	625.4	639.2	654.4	672.2	692.1	710.8
15°	528.1	537.7	549.8	561.5	577.5	594.3	612.7	632.9	652.7	675.0	698.2
17.5°	492.6	503.1	516.4	530.0	546.8	566.5	584.6	606.6	628.9	654.9	682.1
20°	469.4	480.3	495.9	511.0	526.3	545.6	567.0	589.5	613.3	640.6	671.1
22.5°	451.1	458.8	474.3	489.6	507.6	527.3	548.2	571.7	597.6	626.0	657.8
25°	424.0	433.0	444.2	460.1	478.8	499.6	520.6	545.6	573.9	602.8	636.8
27.5°	399.9	407.3	418.3	430.8	449.4	471.0	493.4	519.4	548.4	577.8	613.6
30°	382.8	390.9	401.4	414.7	429.4	452.9	475.8	501.4	530.8	561.3	597.9
32.5°	367.9	376.2	385.3	397.8	413.8	434.6	458.2	483.3	513.3	544.6	580.4
35°	347.0	352.7	361.1	373.4	389.1	405.9	430.0	456.5	485.7	518.2	554.0
37.5°	323.1	330.4	338.8	349.5	363.2	381.4	403.9	430.6	457.7	488.9	521.5
40°	309.0	316.0	325.3	333.1	347.6	364.1	384.6	412.6	439.7	468.8	498.6
42.5°	294.9	301.5	309.4	319.2	332.2	348.2	367.3	393.3	422.3	449.8	474.8
45°	272.7	279.6	287.1	296.1	308.2	323.8	342.8	366.5	391.8	417.1	436.0
47.5°	251.4	257.9	265.0	274.3	285.3	300.5	317.4	338.4	363.0	384.4	398.0
50°	236.2	242.2	250.1	259.1	269.9	284.1	300.3	321.1	341.6	361.1	373.4
52.5°	221.3	228.1	235.8	243.7	254.1	268.2	283.2	301.1	320.6	336.5	346.7
55°	198.9	205.3	212.5	220.5	230.8	242.9	258.8	272.9	288.3	301.8	307.8
57.5°	177.3	182.8	189.6	198.0	207.3	218.5	231.1	244.7	255.6	265.1	272.0
60°	163.1	167.9	174.2	181.5	191.4	201.6	213.0	225.7	234.1	242.2	248.6
62.5°	148.7	153.2	159.3	165.8	174.5	184.0	195.0	205.3	213.4	218.9	226.2
65°	127.0	131.5	136.7	143.5	150.4	158.3	168.2	175.7	181.5	187.5	192.0
67.5°	106.9	110.6	115.4	120.9	126.7	134.2	141.9	148.1	152.1	155.7	161.1
70°	93.6	96.6	100.5	104.7	111.1	118.6	124.6	129.4	132.1	135.7	142.4
72.5°	80.1	83.6	87.3	91.5	96.6	102.9	108.2	113.0	114.8	117.6	121.8
75°	63.2	65.0	68.0	71.0	74.6	80.0	85.2	86.3	87.9	90.3	93.3
77.5°	47.8	49.4	50.6	52.6	55.5	59.8	62.5	64.3	64.7	65.6	68.5
80°	37.9	38.8	40.0	41.5	42.7	46.3	47.8	49.7	50.2	51.2	52.7
82.5°	27.8	28.7	29.5	30.7	32.6	34.1	35.6	37.4	37.5	38.2	38.4
85°	16.2	16.6	15.9	16.6	16.9	17.4	18.9	20.4	20.2	19.9	20.8
87.5°	7.9	7.8	7.3	7.8	7.2	7.2	7.1	7.1	7.3	7.6	7.8
90°	10.6	9.9	9.0	8.0	7.1	6.0	5.0	4.0	2.9	1.7	0.6
92.5°	10.6	9.9	9.0	8.2	7.4	6.5	6.5	7.2	8.0	8.8	9.5
95°	10.6	9.9	15.1	20.4	25.6	30.8	33.7	34.1	34.5	34.9	35.3
97.5°	26.6	30.5	40.8	51.2	61.6	71.9	76.7	76.0	75.2	74.5	73.8
100°	87.3	107.8	107.3	106.7	106.2	105.6	105.1	104.7	104.3	103.9	103.5
102.5°	133.6	137.5	137.2	136.9	136.6	136.2	135.8	135.2	134.8	134.2	133.7
105°	184.6	184.6	184.6	184.6	184.6	184.6	184.3	183.8	183.2	182.7	182.1
107.5°	233.7	233.7	233.4	233.1	232.8	232.6	232.4	232.4	232.4	232.4	232.4
110°	266.0	266.4	266.1	265.9	265.5	265.3	265.1	265.1	265.1	265.1	265.1



TEST NUMBER: P333532-927

CATALOG NUMBER: S125RDIP-S610D810U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	297.6	298.1	297.9	297.8	297.6	297.5	297.2	296.9	296.5	296.2	295.9
115°	345.2	345.7	345.5	345.4	345.3	345.2	344.8	344.0	343.3	342.7	342.0
117.5°	391.2	391.9	391.4	390.9	390.3	389.8	389.6	389.6	389.6	389.7	389.7
120°	420.4	420.6	420.3	419.9	419.4	419.0	418.8	419.0	419.1	419.3	419.4
122.5°	448.6	448.9	448.7	448.5	448.3	448.1	447.7	447.3	446.7	446.2	445.7
125°	490.1	490.7	490.7	490.7	490.7	490.7	490.2	489.3	488.2	487.3	486.3
127.5°	527.5	527.8	527.9	528.0	528.1	528.1	527.8	527.2	526.5	525.8	525.1
130°	552.2	552.6	552.5	552.3	552.2	552.1	551.7	551.0	550.2	549.6	548.9
132.5°	574.8	574.9	575.2	575.5	575.8	576.2	575.9	575.0	574.3	573.5	572.7
135°	608.7	609.0	609.3	609.5	609.8	610.1	609.8	609.0	608.2	607.4	606.5
137.5°	639.8	639.7	640.0	640.2	640.5	640.7	640.5	639.8	639.1	638.3	637.6
140°	658.9	658.5	658.7	658.9	658.9	659.1	659.0	658.8	658.5	658.2	657.9
142.5°	677.9	677.9	677.7	677.5	677.3	677.1	676.9	676.8	676.6	676.4	676.3
145°	704.6	704.4	704.4	704.4	704.4	704.4	704.3	704.0	703.7	703.5	703.1
147.5°	727.4	727.2	727.1	726.8	726.7	726.5	726.5	726.5	726.6	726.7	726.7
150°	741.9	741.6	741.3	741.0	740.8	740.5	740.5	740.8	741.0	741.3	741.6
152.5°	754.7	754.5	754.2	753.9	753.6	753.4	753.5	754.2	754.7	755.3	756.0
155°	772.3	771.9	771.7	771.3	771.1	770.8	771.1	771.9	772.8	773.6	774.4
157.5°	787.0	786.6	786.5	786.5	786.5	786.4	786.6	787.2	787.7	788.1	788.6
160°	796.0	795.4	795.4	795.2	795.0	795.0	795.3	796.1	796.9	797.7	798.6
162.5°	804.1	803.4	803.3	803.1	803.0	802.9	803.2	804.0	804.9	805.6	806.5
165°	814.9	814.0	813.9	813.8	813.7	813.5	813.8	814.7	815.5	816.3	817.1
167.5°	822.8	821.9	821.7	821.6	821.4	821.3	821.7	822.5	823.4	824.3	825.1
170°	827.0	825.9	825.7	825.5	825.4	825.3	825.7	826.6	827.6	828.5	829.6
172.5°	830.3	829.3	829.0	828.8	828.5	828.3	828.6	829.7	830.6	831.6	832.5
175°	833.8	832.7	832.5	832.3	832.2	832.1	832.4	833.3	834.1	834.9	835.8
177.5°	835.5	834.7	834.6	834.5	834.4	834.3	834.6	835.3	835.9	836.5	837.3
180°	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8



TEST NUMBER: P333532-927

CATALOG NUMBER: S125RDIP-S610D810U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1
2.5°	736.7	738.9	742.0	745.6	748.5	751.6	753.3	753.3	754.7	757.9	761.9
5°	738.8	746.6	754.2	763.7	771.3	780.0	786.6	793.0	798.7	805.9	813.4
7.5°	738.2	751.1	764.7	779.9	796.6	809.9	823.6	834.3	844.9	858.7	869.7
10°	735.8	752.7	771.0	790.2	811.3	829.7	846.2	861.3	875.7	890.7	904.3
12.5°	731.4	752.9	775.3	798.4	825.1	846.1	867.4	883.4	900.2	916.7	933.4
15°	724.9	750.2	777.3	809.5	842.0	865.5	886.5	907.3	923.0	941.6	957.6
17.5°	711.5	744.1	778.2	813.3	844.5	871.9	893.9	913.7	930.3	950.9	972.6
20°	703.5	738.8	774.3	811.9	841.7	869.7	891.0	911.5	932.2	959.1	985.6
22.5°	692.5	730.1	767.8	803.5	835.0	862.0	884.1	909.1	936.4	966.8	998.8
25°	675.0	713.8	751.1	785.1	815.8	843.5	873.6	907.3	940.4	980.4	1026.4
27.5°	652.8	690.2	723.5	759.4	790.0	825.1	862.7	899.2	947.0	1002.0	1059.5
30°	636.1	671.7	703.3	737.3	771.9	810.7	852.9	895.9	952.8	1017.4	1085.8
32.5°	616.9	649.0	680.4	713.2	753.1	795.7	840.6	893.2	961.2	1034.7	1105.5
35°	583.5	612.4	642.8	679.2	721.6	767.9	825.1	889.2	971.4	1050.5	1114.0
37.5°	548.5	571.2	601.8	640.2	686.4	740.1	804.9	882.8	967.2	1038.2	1065.2
40°	521.5	542.9	575.0	615.4	661.2	719.9	792.7	872.7	957.6	1006.9	1004.8
42.5°	494.8	516.4	547.4	588.0	635.6	701.3	776.3	859.4	931.1	949.8	910.7
45°	453.8	474.0	504.4	545.3	596.4	665.4	744.2	823.9	869.7	839.3	761.7
47.5°	412.0	431.6	459.8	499.9	555.7	627.9	702.4	767.9	774.3	709.0	615.8
50°	384.6	402.9	429.8	472.5	526.6	597.1	669.0	720.4	704.5	624.7	528.7
52.5°	357.8	375.5	400.6	440.9	496.3	565.3	629.5	669.9	633.0	548.2	461.8
55°	318.4	335.3	360.5	397.5	447.7	511.0	567.3	582.0	527.8	442.4	372.6
57.5°	280.9	293.2	318.2	350.9	399.4	455.1	495.4	492.8	433.0	356.1	306.0
60°	256.1	267.2	291.0	321.1	367.1	417.1	445.4	433.3	372.9	309.3	261.2
62.5°	233.0	243.4	263.3	291.0	330.6	374.0	394.6	378.0	320.8	265.1	226.8
65°	198.0	205.6	221.5	247.1	278.1	308.2	326.5	302.1	251.6	209.5	180.5
67.5°	165.3	171.8	186.0	204.4	225.8	246.5	254.0	231.1	191.8	163.4	143.1
70°	144.2	150.2	159.8	177.0	191.1	205.8	209.5	189.0	156.2	134.5	121.8
72.5°	123.9	129.4	137.9	150.0	159.8	168.3	170.0	150.9	125.9	110.9	101.2
75°	94.5	99.3	104.7	109.2	115.6	117.1	116.5	101.7	88.2	78.3	72.8
77.5°	69.5	71.5	74.8	76.5	76.8	76.8	73.7	64.3	57.4	53.2	51.0
80°	53.6	55.1	56.0	56.6	56.9	53.9	50.5	44.8	42.5	40.0	37.3
82.5°	38.9	39.9	40.8	41.0	39.3	36.8	33.7	30.9	29.2	28.0	26.9
85°	21.1	21.4	21.1	19.6	17.4	16.6	15.9	15.4	15.1	14.7	14.7
87.5°	7.8	7.3	6.3	6.8	7.0	7.0	7.1	7.1	7.1	7.2	7.3
90°	1.7	2.9	4.0	5.0	6.0	7.1	8.0	9.0	9.9	10.6	11.3
92.5°	8.8	8.0	7.2	6.5	6.5	7.4	8.2	9.0	9.9	10.6	11.3
95°	34.9	34.5	34.1	33.7	30.8	25.6	20.4	15.1	9.9	10.6	11.3
97.5°	74.5	75.2	76.0	76.7	71.9	61.6	51.2	40.8	30.5	26.6	22.7
100°	103.9	104.3	104.7	105.1	105.6	106.2	106.7	107.3	107.8	87.3	66.8
102.5°	134.2	134.8	135.2	135.8	136.2	136.6	136.9	137.2	137.5	133.6	129.8
105°	182.7	183.2	183.8	184.3	184.6	184.6	184.6	184.6	184.6	184.6	184.6
107.5°	232.4	232.4	232.4	232.4	232.6	232.8	233.1	233.4	233.7	233.7	233.8
110°	265.1	265.1	265.1	265.1	265.3	265.5	265.9	266.1	266.4	266.0	265.5





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	296.2	296.5	296.9	297.2	297.5	297.6	297.8	297.9	298.1	297.6	297.1
115°	342.7	343.3	344.0	344.8	345.2	345.3	345.4	345.5	345.7	345.2	344.6
117.5°	389.7	389.6	389.6	389.6	389.8	390.3	390.9	391.4	391.9	391.2	390.5
120°	419.3	419.1	419.0	418.8	419.0	419.4	419.9	420.3	420.6	420.4	420.1
122.5°	446.2	446.7	447.3	447.7	448.1	448.3	448.5	448.7	448.9	448.6	448.4
125°	487.3	488.2	489.3	490.2	490.7	490.7	490.7	490.7	490.7	490.1	489.6
127.5°	525.8	526.5	527.2	527.8	528.1	528.1	528.0	527.9	527.8	527.5	527.2
130°	549.6	550.2	551.0	551.7	552.1	552.2	552.3	552.5	552.6	552.2	551.8
132.5°	573.5	574.3	575.0	575.9	576.2	575.8	575.5	575.2	574.9	574.8	574.7
135°	607.4	608.2	609.0	609.8	610.1	609.8	609.5	609.3	609.0	608.7	608.5
137.5°	638.3	639.1	639.8	640.5	640.7	640.5	640.2	640.0	639.7	639.8	639.8
140°	658.2	658.5	658.8	659.0	659.1	658.9	658.9	658.7	658.5	658.9	659.1
142.5°	676.4	676.6	676.8	676.9	677.1	677.3	677.5	677.7	677.9	677.9	678.0
145°	703.5	703.7	704.0	704.3	704.4	704.4	704.4	704.4	704.4	704.6	704.6
147.5°	726.7	726.6	726.5	726.5	726.5	726.7	726.8	727.1	727.2	727.4	727.5
150°	741.3	741.0	740.8	740.5	740.5	740.8	741.0	741.3	741.6	741.9	742.1
152.5°	755.3	754.7	754.2	753.5	753.4	753.6	753.9	754.2	754.5	754.7	755.0
155°	773.6	772.8	771.9	771.1	770.8	771.1	771.3	771.7	771.9	772.3	772.8
157.5°	788.1	787.7	787.2	786.6	786.4	786.5	786.5	786.5	786.6	787.0	787.4
160°	797.7	796.9	796.1	795.3	795.0	795.0	795.2	795.4	795.4	796.0	796.5
162.5°	805.6	804.9	804.0	803.2	802.9	803.0	803.1	803.3	803.4	804.1	804.9
165°	816.3	815.5	814.7	813.8	813.5	813.7	813.8	813.9	814.0	814.9	815.7
167.5°	824.3	823.4	822.5	821.7	821.3	821.4	821.6	821.7	821.9	822.8	823.9
170°	828.5	827.6	826.6	825.7	825.3	825.4	825.5	825.7	825.9	827.0	828.0
172.5°	831.6	830.6	829.7	828.6	828.3	828.5	828.8	829.0	829.3	830.3	831.2
175°	834.9	834.1	833.3	832.4	832.1	832.2	832.3	832.5	832.7	833.8	834.8
177.5°	836.5	835.9	835.3	834.6	834.3	834.4	834.5	834.6	834.7	835.5	836.3
180°	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	733.1	733.1	733.1	733.1	733.1	733.1	733.1
2.5°	765.1	765.1	769.2	768.9	771.6	770.6	771.1
5°	822.4	827.5	832.0	835.0	839.6	840.8	840.2
7.5°	881.9	893.3	898.8	906.4	907.8	911.7	911.3
10°	918.7	929.9	938.3	944.9	948.2	952.4	952.8
12.5°	947.6	957.0	964.6	970.7	974.7	976.0	976.8
15°	970.2	980.7	989.4	998.1	1003.3	1007.2	1009.3
17.5°	992.9	1009.2	1024.6	1036.5	1043.5	1049.6	1049.5
20°	1010.5	1029.2	1048.5	1062.0	1075.8	1081.8	1082.8
22.5°	1029.3	1057.8	1082.6	1103.6	1121.8	1128.1	1130.4
25°	1068.3	1105.6	1143.8	1173.3	1194.4	1206.7	1208.6
27.5°	1115.4	1165.9	1206.1	1233.3	1250.9	1260.0	1261.9
30°	1148.7	1195.2	1231.4	1251.9	1260.0	1261.2	1256.6
32.5°	1163.6	1198.4	1212.8	1211.6	1195.7	1185.1	1181.1
35°	1145.3	1138.1	1102.9	1060.7	1028.6	1008.1	1002.7
37.5°	1042.3	980.0	915.2	851.6	817.7	800.5	770.9
40°	940.7	851.9	784.5	730.9	692.8	662.0	654.8
42.5°	826.1	734.4	667.0	621.2	590.7	569.6	560.5
45°	663.8	585.0	529.3	494.1	470.6	455.3	448.4
47.5°	530.9	469.9	429.4	403.3	385.4	372.1	368.4
50°	458.0	409.2	374.9	353.0	339.5	329.2	325.0
52.5°	397.8	358.5	332.1	314.0	301.2	294.8	291.3
55°	328.3	294.3	275.4	260.9	253.7	248.6	246.1
57.5°	268.5	243.9	230.0	220.1	213.4	210.2	209.0
60°	235.0	215.8	203.1	195.3	190.8	186.6	185.4
62.5°	205.4	190.3	180.5	173.6	169.1	167.3	166.6
65°	165.5	155.6	148.4	144.2	140.5	139.9	139.7
67.5°	131.6	125.7	121.9	117.6	116.3	114.2	113.8
70°	112.6	108.6	104.1	102.6	101.1	99.0	99.3
72.5°	95.5	91.6	88.5	86.5	86.0	85.1	85.8
75°	69.8	68.6	67.4	65.9	65.3	65.3	65.0
77.5°	49.8	48.8	47.5	46.6	46.4	45.2	45.6
80°	36.1	34.6	34.0	34.3	33.4	33.1	33.1
82.5°	26.7	26.1	25.6	25.7	25.4	25.2	25.4
85°	14.7	14.4	14.4	14.2	14.2	13.9	13.9
87.5°	7.7	8.1	7.7	7.5	7.6	7.9	8.2
90°	12.0	12.7	13.2	13.6	14.0	14.4	14.9
92.5°	12.0	12.7	13.1	13.3	13.5	13.7	13.9
95°	12.0	12.7	13.0	13.0	13.0	13.0	13.0
97.5°	18.9	15.0	13.0	13.0	13.0	13.0	13.0
100°	46.3	25.7	15.2	14.7	14.1	13.5	13.0
102.5°	125.9	122.0	115.4	106.0	96.6	87.3	78.0
105°	184.6	184.6	184.6	184.4	184.3	184.1	184.0
107.5°	233.8	233.8	233.6	233.2	232.7	232.3	232.0
110°	265.1	264.7	264.6	264.7	264.9	265.0	265.1



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	296.5	296.0	295.6	295.5	295.2	295.1	294.9
115°	344.0	343.5	342.8	342.0	341.1	340.3	339.5
117.5°	389.8	389.0	388.5	388.2	387.8	387.5	387.1
120°	419.9	419.5	419.1	418.4	417.7	417.0	416.3
122.5°	448.1	447.8	447.3	446.5	445.7	444.9	444.1
125°	489.0	488.5	488.0	487.6	487.1	486.7	486.3
127.5°	527.0	526.6	525.9	525.0	523.9	522.9	521.9
130°	551.4	551.0	550.4	549.7	549.1	548.3	547.6
132.5°	574.6	574.6	574.2	573.5	572.8	572.1	571.5
135°	608.2	607.9	607.4	606.5	605.7	604.8	604.0
137.5°	639.8	639.9	639.6	638.9	638.2	637.5	636.8
140°	659.4	659.7	659.4	658.5	657.7	656.9	656.1
142.5°	678.0	678.1	677.7	676.9	676.0	675.3	674.4
145°	704.8	705.0	704.6	703.8	703.0	702.1	701.3
147.5°	727.7	727.9	727.5	726.4	725.5	724.5	723.5
150°	742.4	742.7	742.3	741.2	740.1	738.9	737.8
152.5°	755.3	755.6	755.2	754.2	753.2	752.3	751.2
155°	773.2	773.6	773.2	772.1	771.0	769.9	768.8
157.5°	787.9	788.3	788.0	786.9	785.8	784.7	783.5
160°	797.1	797.6	797.4	796.3	795.2	794.1	793.0
162.5°	805.7	806.4	806.3	805.0	803.8	802.6	801.5
165°	816.5	817.4	817.2	816.1	815.0	813.9	812.8
167.5°	824.8	825.9	825.7	824.4	823.2	822.0	820.8
170°	829.1	830.2	830.1	828.9	827.7	826.4	825.2
172.5°	832.3	833.3	833.1	831.9	830.7	829.4	828.1
175°	835.9	837.0	836.9	835.8	834.5	833.3	832.0
177.5°	837.0	837.8	837.8	836.9	836.0	835.1	834.2
180°	835.8	835.8	835.8	835.8	835.8	835.8	835.8

(END OF REPORT)