

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: P333522-940

Luminaire Tested: **S125RDIP-S610D365U940-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333522-940
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-S610D365U940-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 365 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3310.9 lumens
Efficiency: N/A
Efficacy: 120.4 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: Semi-Direct

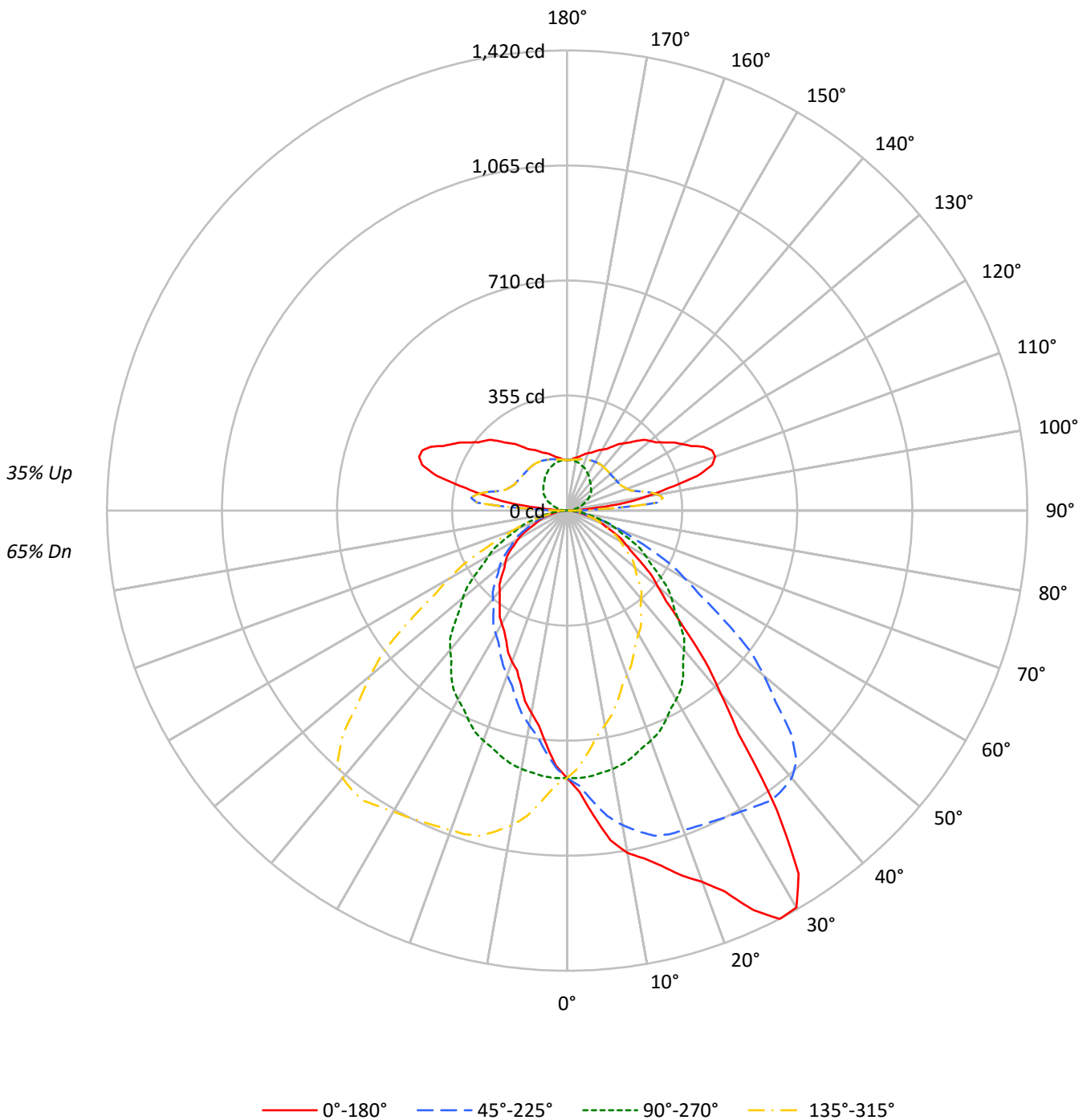
Input Watts (W): 27.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	111	111	111		104	104	104	104		91	91	91		80	80	80		70	70	70	65	
1	102	97	94	90		95	92	88	86		81	79	76		71	70	68		62	61	60	56	
2	93	86	80	75		87	81	76	71		72	68	64		63	60	58		56	53	51	47	
3	85	76	69	63		80	72	65	60		64	59	54		56	52	49		50	47	44	41	
4	78	67	60	54		73	64	57	51		57	51	47		51	46	43		45	41	38	35	
5	72	60	52	46		67	57	50	44		51	45	41		46	41	37		40	37	34	31	
6	66	54	46	40		62	52	44	39		46	40	36		41	36	33		37	33	30	27	
7	62	49	41	36		58	47	39	34		42	36	32		38	33	29		34	30	27	24	
8	57	45	37	32		54	43	35	30		38	32	28		35	30	26		31	27	24	22	
9	53	41	33	28		50	39	32	27		35	29	25		32	27	23		29	25	22	20	
10	50	38	30	26		47	36	29	25		33	27	23		29	25	21		26	23	20	18	

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	2.4
10°-20°	231.9	7.0
20°-30°	367.7	11.1
30°-40°	443.4	13.4
40°-50°	396.0	12.0
50°-60°	303.6	9.2
60°-70°	197.3	6.0
70°-80°	95.9	2.9
80°-90°	23.8	0.7
90°-100°	113.3	3.4
100°-110°	243.6	7.4
110°-120°	228.6	6.9
120°-130°	185.2	5.6
130°-140°	148.7	4.5
140°-150°	112.2	3.4
150°-160°	79.0	2.4
160°-170°	46.5	1.4
170°-180°	15.1	0.5
0°-30°	678.7	20.5
0°-40°	1122.1	33.9
0°-60°	1821.7	55.0
0°-90°	2138.7	64.6
90°-120°	585.4	17.7
90°-150°	1031.5	31.2
90°-180°	1172.0	35.4
0°-180°	3310.9	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°	7	0	7	0	7	6
95°	74	10	74	10	74	105
105°	418	36	418	36	418	415
115°	465	64	465	64	465	454
125°	366	88	366	88	366	332
135°	304	103	304	103	304	236
145°	240	120	240	120	240	153
155°	201	137	201	137	201	94
165°	176	150	176	150	176	50
175°	158	156	158	156	158	15
180°	156	156	156	156	156	



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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°	7.4	7.1	6.8	6.8	7.0	7.5	7.1	6.9	6.8	6.7	6.9
90°	7.2	7.2	7.0	7.0	7.0	6.3	6.0	5.7	5.4	5.1	4.4
92.5°	20.1	20.6	21.0	21.8	25.9	30.5	40.5	55.8	82.2	101.6	103.3
95°	74.1	79.1	81.6	91.0	113.4	139.9	178.7	226.6	273.2	279.2	227.8
97.5°	179.0	183.1	192.2	209.8	229.3	266.1	303.9	337.4	345.7	298.2	203.5
100°	245.8	250.8	262.5	285.2	306.9	339.7	372.2	387.6	363.4	284.5	181.6
102.5°	320.5	324.2	336.9	353.0	376.3	398.5	414.0	404.5	352.8	260.6	164.9
105°	417.6	421.3	427.7	438.0	448.2	451.6	437.7	394.6	319.0	228.5	148.7
107.5°	469.1	471.6	473.8	473.8	468.7	452.2	416.6	359.0	284.4	206.3	142.0
110°	486.2	486.2	484.0	478.0	463.9	437.1	392.7	332.8	264.7	196.0	139.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	484.3	482.0	476.5	466.2	445.5	413.9	369.0	312.1	250.1	189.9	139.9
115°	465.1	461.0	452.2	437.1	412.5	378.2	335.0	286.1	234.2	183.4	140.9
117.5°	431.7	429.2	420.4	404.7	380.2	348.7	311.5	269.4	224.6	180.2	142.9
120°	410.0	407.5	399.0	383.9	360.5	332.8	298.1	260.3	219.4	178.7	145.0
122.5°	390.8	388.6	380.0	366.2	345.4	319.4	288.6	253.5	214.8	177.5	146.7
125°	366.5	363.4	356.4	343.5	325.8	303.2	275.7	243.6	208.7	175.8	149.7
127.5°	345.7	344.3	337.8	326.4	310.3	289.1	263.5	233.5	203.0	175.1	153.0
130°	334.4	332.5	326.2	315.8	300.1	279.6	254.9	227.2	199.2	174.6	155.1
132.5°	323.0	320.8	315.0	304.7	288.9	269.2	246.9	220.9	196.2	174.6	157.3
135°	304.4	302.6	296.9	286.5	272.6	254.7	234.4	212.8	192.5	174.6	160.4
137.5°	284.5	282.5	277.2	267.8	255.4	240.1	223.4	205.8	189.3	175.0	163.3
140°	270.7	269.1	264.4	256.2	244.5	231.3	216.8	202.0	187.8	175.2	164.5
142.5°	257.9	256.5	252.1	245.1	235.2	223.7	211.2	198.8	186.5	175.5	165.2
145°	240.1	238.9	235.4	230.1	222.5	214.0	204.2	194.5	184.7	175.2	166.0
147.5°	225.2	224.5	222.6	218.3	212.3	205.9	198.3	190.4	182.7	174.4	166.4
150°	216.8	216.5	215.3	211.4	206.7	201.1	195.1	188.2	181.2	173.6	166.4
152.5°	210.3	209.9	208.7	205.6	201.7	197.2	191.8	185.7	179.4	172.6	166.1
155°	201.3	201.1	200.1	197.9	194.7	191.3	186.9	181.8	176.5	170.9	165.4
157.5°	193.4	193.5	192.6	190.8	188.3	185.7	182.2	178.1	173.7	168.9	164.6
160°	188.2	188.4	187.8	186.3	184.0	181.8	178.7	175.6	171.5	167.6	163.9
162.5°	183.3	183.4	183.2	182.0	180.3	178.3	175.7	172.7	169.4	166.1	163.1
165°	176.5	176.5	176.5	175.8	174.6	173.0	171.1	168.9	166.4	163.9	162.0
167.5°	170.1	170.2	170.5	170.0	169.3	168.2	166.7	165.2	163.5	161.7	160.2
170°	166.4	166.7	166.7	166.4	165.8	165.1	164.2	163.3	161.7	160.4	159.4
172.5°	162.8	163.2	163.7	163.1	163.0	162.6	161.9	161.0	159.9	158.9	158.5
175°	158.5	158.8	159.4	159.2	159.2	159.2	158.5	158.5	157.6	157.3	157.3
177.5°	156.3	156.3	157.0	156.9	157.0	157.0	157.0	156.9	156.6	156.3	156.3
180°	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3



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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°	7.0	7.0	7.1	7.0	6.6	7.8	8.6	8.7	8.3	7.8	7.4
90°	4.1	3.5	3.1	2.5	1.9	1.2	0.6	0.4	0.6	1.2	1.9
92.5°	71.9	43.1	25.9	16.7	11.2	7.3	4.6	3.8	4.6	7.3	11.2
95°	140.9	71.5	37.8	23.6	16.7	13.2	10.7	10.4	10.7	13.2	16.7
97.5°	112.4	61.6	39.3	29.2	22.9	19.4	17.7	17.3	17.7	19.4	22.9
100°	102.1	61.2	42.9	33.4	27.4	24.0	22.6	22.0	22.6	24.0	27.4
102.5°	97.8	63.4	47.2	38.0	32.5	28.7	27.7	27.4	27.7	28.7	32.5
105°	96.1	68.0	54.2	45.4	40.3	37.2	35.6	35.6	35.6	37.2	40.3
107.5°	99.0	75.0	61.6	53.7	48.4	45.8	44.3	43.7	44.3	45.8	48.4
110°	101.8	80.1	67.1	58.9	54.2	51.4	50.1	49.5	50.1	51.4	54.2



TEST NUMBER: P333522-940

CATALOG NUMBER: S125RDIP-S610D365U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	105.3	84.8	72.4	64.5	59.7	56.9	55.9	55.3	55.9	56.9	59.7
115°	110.6	92.4	80.7	72.8	68.0	65.3	64.3	63.7	64.3	65.3	68.0
117.5°	116.6	100.0	89.0	81.4	76.0	73.2	72.1	71.2	72.1	73.2	76.0
120°	120.7	105.6	94.5	86.7	81.3	78.5	77.2	76.2	77.2	78.5	81.3
122.5°	125.2	110.8	99.9	91.9	86.1	83.3	82.2	81.6	82.2	83.3	86.1
125°	131.4	117.9	107.5	99.2	93.3	90.4	88.9	88.3	88.9	90.4	93.3
127.5°	137.1	124.6	114.6	106.4	100.0	96.4	94.4	93.5	94.4	96.4	100.0
130°	140.9	128.9	119.1	110.9	104.3	100.2	97.7	96.8	97.7	100.2	104.3
132.5°	144.2	133.0	123.1	114.9	108.1	103.5	100.5	99.2	100.5	103.5	108.1
135°	148.7	138.3	128.6	120.1	113.4	108.4	104.6	103.3	104.6	108.4	113.4
137.5°	152.1	142.2	133.3	124.6	118.1	113.0	109.5	108.5	109.5	113.0	118.1
140°	154.4	145.0	135.8	127.3	121.4	116.3	112.5	111.6	112.5	116.3	121.4
142.5°	155.7	146.7	138.1	130.1	124.4	119.3	115.7	115.1	115.7	119.3	124.4
145°	157.6	149.7	141.5	134.3	128.6	124.1	121.0	120.4	121.0	124.1	128.6
147.5°	158.7	151.6	144.4	138.0	133.1	129.0	126.3	125.9	126.3	129.0	133.1
150°	159.4	152.8	145.9	140.5	136.2	132.1	129.8	129.2	129.8	132.1	136.2
152.5°	160.0	154.1	147.7	142.9	138.7	135.1	133.1	132.8	133.1	135.1	138.7
155°	160.4	155.3	150.0	145.6	142.4	139.3	137.4	137.4	137.4	139.3	142.4
157.5°	160.7	156.4	151.9	148.5	145.7	143.0	141.5	141.6	141.5	143.0	145.7
160°	160.7	156.9	152.8	150.0	147.5	145.3	144.0	144.4	144.0	145.3	147.5
162.5°	160.5	157.5	153.8	151.5	149.5	147.6	146.3	146.6	146.3	147.6	149.5
165°	160.1	157.6	155.1	153.2	151.9	150.3	149.4	150.0	149.4	150.3	151.9
167.5°	159.3	157.6	155.5	154.3	153.4	152.6	151.9	152.3	151.9	152.6	153.4
170°	158.8	157.6	156.0	155.1	154.4	153.8	153.5	153.8	153.5	153.8	154.4
172.5°	158.4	157.3	156.0	155.5	155.2	154.5	154.3	154.8	154.3	154.5	155.2
175°	157.6	156.9	156.0	156.0	156.0	155.7	155.3	156.0	155.3	155.7	156.0
177.5°	156.9	156.6	156.0	156.0	156.3	156.0	156.0	156.6	156.0	156.0	156.3
180°	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3



TEST NUMBER: P333522-940

CATALOG NUMBER: S125RDIP-S610D365U940-4F0-1E-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°	7.3	7.4	7.2	7.8	7.1	7.5	7.6	7.4	7.4	7.5	7.3
90°	2.5	3.1	3.5	4.1	4.4	5.1	5.4	5.7	6.0	6.3	7.0
92.5°	16.7	25.9	43.1	71.9	103.3	101.6	82.2	55.8	40.5	30.5	25.9
95°	23.6	37.8	71.5	140.9	227.8	279.2	273.2	226.6	178.7	139.9	113.4
97.5°	29.2	39.3	61.6	112.4	203.5	298.2	345.7	337.4	303.9	266.1	229.3
100°	33.4	42.9	61.2	102.1	181.6	284.5	363.4	387.6	372.2	339.7	306.9
102.5°	38.0	47.2	63.4	97.8	164.9	260.6	352.8	404.5	414.0	398.5	376.3
105°	45.4	54.2	68.0	96.1	148.7	228.5	319.0	394.6	437.7	451.6	448.2
107.5°	53.7	61.6	75.0	99.0	142.0	206.3	284.4	359.0	416.6	452.2	468.7
110°	58.9	67.1	80.1	101.8	139.9	196.0	264.7	332.8	392.7	437.1	463.9



TEST NUMBER: P333522-940

CATALOG NUMBER: S125RDIP-S610D365U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	64.5	72.4	84.8	105.3	139.9	189.9	250.1	312.1	369.0	413.9	445.5
115°	72.8	80.7	92.4	110.6	140.9	183.4	234.2	286.1	335.0	378.2	412.5
117.5°	81.4	89.0	100.0	116.6	142.9	180.2	224.6	269.4	311.5	348.7	380.2
120°	86.7	94.5	105.6	120.7	145.0	178.7	219.4	260.3	298.1	332.8	360.5
122.5°	91.9	99.9	110.8	125.2	146.7	177.5	214.8	253.5	288.6	319.4	345.4
125°	99.2	107.5	117.9	131.4	149.7	175.8	208.7	243.6	275.7	303.2	325.8
127.5°	106.4	114.6	124.6	137.1	153.0	175.1	203.0	233.5	263.5	289.1	310.3
130°	110.9	119.1	128.9	140.9	155.1	174.6	199.2	227.2	254.9	279.6	300.1
132.5°	114.9	123.1	133.0	144.2	157.3	174.6	196.2	220.9	246.9	269.2	288.9
135°	120.1	128.6	138.3	148.7	160.4	174.6	192.5	212.8	234.4	254.7	272.6
137.5°	124.6	133.3	142.2	152.1	163.3	175.0	189.3	205.8	223.4	240.1	255.4
140°	127.3	135.8	145.0	154.4	164.5	175.2	187.8	202.0	216.8	231.3	244.5
142.5°	130.1	138.1	146.7	155.7	165.2	175.5	186.5	198.8	211.2	223.7	235.2
145°	134.3	141.5	149.7	157.6	166.0	175.2	184.7	194.5	204.2	214.0	222.5
147.5°	138.0	144.4	151.6	158.7	166.4	174.4	182.7	190.4	198.3	205.9	212.3
150°	140.5	145.9	152.8	159.4	166.4	173.6	181.2	188.2	195.1	201.1	206.7
152.5°	142.9	147.7	154.1	160.0	166.1	172.6	179.4	185.7	191.8	197.2	201.7
155°	145.6	150.0	155.3	160.4	165.4	170.9	176.5	181.8	186.9	191.3	194.7
157.5°	148.5	151.9	156.4	160.7	164.6	168.9	173.7	178.1	182.2	185.7	188.3
160°	150.0	152.8	156.9	160.7	163.9	167.6	171.5	175.6	178.7	181.8	184.0
162.5°	151.5	153.8	157.5	160.5	163.1	166.1	169.4	172.7	175.7	178.3	180.3
165°	153.2	155.1	157.6	160.1	162.0	163.9	166.4	168.9	171.1	173.0	174.6
167.5°	154.3	155.5	157.6	159.3	160.2	161.7	163.5	165.2	166.7	168.2	169.3
170°	155.1	156.0	157.6	158.8	159.4	160.4	161.7	163.3	164.2	165.1	165.8
172.5°	155.5	156.0	157.3	158.4	158.5	158.9	159.9	161.0	161.9	162.6	163.0
175°	156.0	156.0	156.9	157.6	157.3	157.3	157.6	158.5	158.5	159.2	159.2
177.5°	156.0	156.0	156.6	156.9	156.3	156.3	156.6	156.9	157.0	157.0	157.0
180°	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3



TEST NUMBER: P333522-940

CATALOG NUMBER: S125RDIP-S610D365U940-4F0-1E-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°	7.6	7.3	7.4	7.4	7.4	7.3	7.6	7.3	7.5	7.4	7.4
90°	7.0	7.0	7.2	7.2	7.2	7.0	7.0	7.0	6.3	6.0	5.7
92.5°	21.8	21.0	20.6	20.1	20.6	21.0	21.8	25.9	30.5	40.5	55.8
95°	91.0	81.6	79.1	74.1	79.1	81.6	91.0	113.4	139.9	178.7	226.6
97.5°	209.8	192.2	183.1	179.0	183.1	192.2	209.8	229.3	266.1	303.9	337.4
100°	285.2	262.5	250.8	245.8	250.8	262.5	285.2	306.9	339.7	372.2	387.6
102.5°	353.0	336.9	324.2	320.5	324.2	336.9	353.0	376.3	398.5	414.0	404.5
105°	438.0	427.7	421.3	417.6	421.3	427.7	438.0	448.2	451.6	437.7	394.6
107.5°	473.8	473.8	471.6	469.1	471.6	473.8	473.8	468.7	452.2	416.6	359.0
110°	478.0	484.0	486.2	486.2	486.2	484.0	478.0	463.9	437.1	392.7	332.8



TEST NUMBER: P333522-940

CATALOG NUMBER: S125RDIP-S610D365U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	466.2	476.5	482.0	484.3	482.0	476.5	466.2	445.5	413.9	369.0	312.1
115°	437.1	452.2	461.0	465.1	461.0	452.2	437.1	412.5	378.2	335.0	286.1
117.5°	404.7	420.4	429.2	431.7	429.2	420.4	404.7	380.2	348.7	311.5	269.4
120°	383.9	399.0	407.5	410.0	407.5	399.0	383.9	360.5	332.8	298.1	260.3
122.5°	366.2	380.0	388.6	390.8	388.6	380.0	366.2	345.4	319.4	288.6	253.5
125°	343.5	356.4	363.4	366.5	363.4	356.4	343.5	325.8	303.2	275.7	243.6
127.5°	326.4	337.8	344.3	345.7	344.3	337.8	326.4	310.3	289.1	263.5	233.5
130°	315.8	326.2	332.5	334.4	332.5	326.2	315.8	300.1	279.6	254.9	227.2
132.5°	304.7	315.0	320.8	323.0	320.8	315.0	304.7	288.9	269.2	246.9	220.9
135°	286.5	296.9	302.6	304.4	302.6	296.9	286.5	272.6	254.7	234.4	212.8
137.5°	267.8	277.2	282.5	284.5	282.5	277.2	267.8	255.4	240.1	223.4	205.8
140°	256.2	264.4	269.1	270.7	269.1	264.4	256.2	244.5	231.3	216.8	202.0
142.5°	245.1	252.1	256.5	257.9	256.5	252.1	245.1	235.2	223.7	211.2	198.8
145°	230.1	235.4	238.9	240.1	238.9	235.4	230.1	222.5	214.0	204.2	194.5
147.5°	218.3	222.6	224.5	225.2	224.5	222.6	218.3	212.3	205.9	198.3	190.4
150°	211.4	215.3	216.5	216.8	216.5	215.3	211.4	206.7	201.1	195.1	188.2
152.5°	205.6	208.7	209.9	210.3	209.9	208.7	205.6	201.7	197.2	191.8	185.7
155°	197.9	200.1	201.1	201.3	201.1	200.1	197.9	194.7	191.3	186.9	181.8
157.5°	190.8	192.6	193.5	193.4	193.5	192.6	190.8	188.3	185.7	182.2	178.1
160°	186.3	187.8	188.4	188.2	188.4	187.8	186.3	184.0	181.8	178.7	175.6
162.5°	182.0	183.2	183.4	183.3	183.4	183.2	182.0	180.3	178.3	175.7	172.7
165°	175.8	176.5	176.5	176.5	176.5	176.5	175.8	174.6	173.0	171.1	168.9
167.5°	170.0	170.5	170.2	170.1	170.2	170.5	170.0	169.3	168.2	166.7	165.2
170°	166.4	166.7	166.7	166.4	166.7	166.7	166.4	165.8	165.1	164.2	163.3
172.5°	163.1	163.7	163.2	162.8	163.2	163.7	163.1	163.0	162.6	161.9	161.0
175°	159.2	159.4	158.8	158.5	158.8	159.4	159.2	159.2	159.2	158.5	158.5
177.5°	156.9	157.0	156.3	156.3	156.3	157.0	156.9	157.0	157.0	157.0	156.9
180°	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3



TEST NUMBER: P333522-940

CATALOG NUMBER: S125RDIP-S610D365U940-4F0-1E-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°	7.6	7.5	7.1	7.8	7.2	7.4	7.3	7.4	7.8	8.3	8.7
90°	5.4	5.1	4.4	4.1	3.5	3.1	2.5	1.9	1.2	0.6	0.4
92.5°	82.2	101.6	103.3	71.9	43.1	25.9	16.7	11.2	7.3	4.6	3.8
95°	273.2	279.2	227.8	140.9	71.5	37.8	23.6	16.7	13.2	10.7	10.4
97.5°	345.7	298.2	203.5	112.4	61.6	39.3	29.2	22.9	19.4	17.7	17.3
100°	363.4	284.5	181.6	102.1	61.2	42.9	33.4	27.4	24.0	22.6	22.0
102.5°	352.8	260.6	164.9	97.8	63.4	47.2	38.0	32.5	28.7	27.7	27.4
105°	319.0	228.5	148.7	96.1	68.0	54.2	45.4	40.3	37.2	35.6	35.6
107.5°	284.4	206.3	142.0	99.0	75.0	61.6	53.7	48.4	45.8	44.3	43.7
110°	264.7	196.0	139.9	101.8	80.1	67.1	58.9	54.2	51.4	50.1	49.5



TEST NUMBER: P333522-940

CATALOG NUMBER: S125RDIP-S610D365U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	250.1	189.9	139.9	105.3	84.8	72.4	64.5	59.7	56.9	55.9	55.3
115°	234.2	183.4	140.9	110.6	92.4	80.7	72.8	68.0	65.3	64.3	63.7
117.5°	224.6	180.2	142.9	116.6	100.0	89.0	81.4	76.0	73.2	72.1	71.2
120°	219.4	178.7	145.0	120.7	105.6	94.5	86.7	81.3	78.5	77.2	76.2
122.5°	214.8	177.5	146.7	125.2	110.8	99.9	91.9	86.1	83.3	82.2	81.6
125°	208.7	175.8	149.7	131.4	117.9	107.5	99.2	93.3	90.4	88.9	88.3
127.5°	203.0	175.1	153.0	137.1	124.6	114.6	106.4	100.0	96.4	94.4	93.5
130°	199.2	174.6	155.1	140.9	128.9	119.1	110.9	104.3	100.2	97.7	96.8
132.5°	196.2	174.6	157.3	144.2	133.0	123.1	114.9	108.1	103.5	100.5	99.2
135°	192.5	174.6	160.4	148.7	138.3	128.6	120.1	113.4	108.4	104.6	103.3
137.5°	189.3	175.0	163.3	152.1	142.2	133.3	124.6	118.1	113.0	109.5	108.5
140°	187.8	175.2	164.5	154.4	145.0	135.8	127.3	121.4	116.3	112.5	111.6
142.5°	186.5	175.5	165.2	155.7	146.7	138.1	130.1	124.4	119.3	115.7	115.1
145°	184.7	175.2	166.0	157.6	149.7	141.5	134.3	128.6	124.1	121.0	120.4
147.5°	182.7	174.4	166.4	158.7	151.6	144.4	138.0	133.1	129.0	126.3	125.9
150°	181.2	173.6	166.4	159.4	152.8	145.9	140.5	136.2	132.1	129.8	129.2
152.5°	179.4	172.6	166.1	160.0	154.1	147.7	142.9	138.7	135.1	133.1	132.8
155°	176.5	170.9	165.4	160.4	155.3	150.0	145.6	142.4	139.3	137.4	137.4
157.5°	173.7	168.9	164.6	160.7	156.4	151.9	148.5	145.7	143.0	141.5	141.6
160°	171.5	167.6	163.9	160.7	156.9	152.8	150.0	147.5	145.3	144.0	144.4
162.5°	169.4	166.1	163.1	160.5	157.5	153.8	151.5	149.5	147.6	146.3	146.6
165°	166.4	163.9	162.0	160.1	157.6	155.1	153.2	151.9	150.3	149.4	150.0
167.5°	163.5	161.7	160.2	159.3	157.6	155.5	154.3	153.4	152.6	151.9	152.3
170°	161.7	160.4	159.4	158.8	157.6	156.0	155.1	154.4	153.8	153.5	153.8
172.5°	159.9	158.9	158.5	158.4	157.3	156.0	155.5	155.2	154.5	154.3	154.8
175°	157.6	157.3	157.3	157.6	156.9	156.0	156.0	156.0	155.7	155.3	156.0
177.5°	156.6	156.3	156.3	156.9	156.6	156.0	156.0	156.3	156.0	156.0	156.6
180°	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3



TEST NUMBER: P333522-940

CATALOG NUMBER: S125RDIP-S610D365U940-4F0-1E-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°	8.6	7.8	6.6	7.0	7.1	7.0	7.0	6.9	6.7	6.8	6.9
90°	0.6	1.2	1.9	2.5	3.1	3.5	4.1	4.4	5.1	5.4	5.7
92.5°	4.6	7.3	11.2	16.7	25.9	43.1	71.9	103.3	101.6	82.2	55.8
95°	10.7	13.2	16.7	23.6	37.8	71.5	140.9	227.8	279.2	273.2	226.6
97.5°	17.7	19.4	22.9	29.2	39.3	61.6	112.4	203.5	298.2	345.7	337.4
100°	22.6	24.0	27.4	33.4	42.9	61.2	102.1	181.6	284.5	363.4	387.6
102.5°	27.7	28.7	32.5	38.0	47.2	63.4	97.8	164.9	260.6	352.8	404.5
105°	35.6	37.2	40.3	45.4	54.2	68.0	96.1	148.7	228.5	319.0	394.6
107.5°	44.3	45.8	48.4	53.7	61.6	75.0	99.0	142.0	206.3	284.4	359.0
110°	50.1	51.4	54.2	58.9	67.1	80.1	101.8	139.9	196.0	264.7	332.8



TEST NUMBER: P333522-940

CATALOG NUMBER: S125RDIP-S610D365U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	55.9	56.9	59.7	64.5	72.4	84.8	105.3	139.9	189.9	250.1	312.1
115°	64.3	65.3	68.0	72.8	80.7	92.4	110.6	140.9	183.4	234.2	286.1
117.5°	72.1	73.2	76.0	81.4	89.0	100.0	116.6	142.9	180.2	224.6	269.4
120°	77.2	78.5	81.3	86.7	94.5	105.6	120.7	145.0	178.7	219.4	260.3
122.5°	82.2	83.3	86.1	91.9	99.9	110.8	125.2	146.7	177.5	214.8	253.5
125°	88.9	90.4	93.3	99.2	107.5	117.9	131.4	149.7	175.8	208.7	243.6
127.5°	94.4	96.4	100.0	106.4	114.6	124.6	137.1	153.0	175.1	203.0	233.5
130°	97.7	100.2	104.3	110.9	119.1	128.9	140.9	155.1	174.6	199.2	227.2
132.5°	100.5	103.5	108.1	114.9	123.1	133.0	144.2	157.3	174.6	196.2	220.9
135°	104.6	108.4	113.4	120.1	128.6	138.3	148.7	160.4	174.6	192.5	212.8
137.5°	109.5	113.0	118.1	124.6	133.3	142.2	152.1	163.3	175.0	189.3	205.8
140°	112.5	116.3	121.4	127.3	135.8	145.0	154.4	164.5	175.2	187.8	202.0
142.5°	115.7	119.3	124.4	130.1	138.1	146.7	155.7	165.2	175.5	186.5	198.8
145°	121.0	124.1	128.6	134.3	141.5	149.7	157.6	166.0	175.2	184.7	194.5
147.5°	126.3	129.0	133.1	138.0	144.4	151.6	158.7	166.4	174.4	182.7	190.4
150°	129.8	132.1	136.2	140.5	145.9	152.8	159.4	166.4	173.6	181.2	188.2
152.5°	133.1	135.1	138.7	142.9	147.7	154.1	160.0	166.1	172.6	179.4	185.7
155°	137.4	139.3	142.4	145.6	150.0	155.3	160.4	165.4	170.9	176.5	181.8
157.5°	141.5	143.0	145.7	148.5	151.9	156.4	160.7	164.6	168.9	173.7	178.1
160°	144.0	145.3	147.5	150.0	152.8	156.9	160.7	163.9	167.6	171.5	175.6
162.5°	146.3	147.6	149.5	151.5	153.8	157.5	160.5	163.1	166.1	169.4	172.7
165°	149.4	150.3	151.9	153.2	155.1	157.6	160.1	162.0	163.9	166.4	168.9
167.5°	151.9	152.6	153.4	154.3	155.5	157.6	159.3	160.2	161.7	163.5	165.2
170°	153.5	153.8	154.4	155.1	156.0	157.6	158.8	159.4	160.4	161.7	163.3
172.5°	154.3	154.5	155.2	155.5	156.0	157.3	158.4	158.5	158.9	159.9	161.0
175°	155.3	155.7	156.0	156.0	156.0	156.9	157.6	157.3	157.3	157.6	158.5
177.5°	156.0	156.0	156.3	156.0	156.0	156.6	156.9	156.3	156.3	156.6	156.9
180°	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3



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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°	7.1	7.5	7.0	6.8	6.8	7.1	7.4
90°	6.0	6.3	7.0	7.0	7.0	7.2	7.2
92.5°	40.5	30.5	25.9	21.8	21.0	20.6	20.1
95°	178.7	139.9	113.4	91.0	81.6	79.1	74.1
97.5°	303.9	266.1	229.3	209.8	192.2	183.1	179.0
100°	372.2	339.7	306.9	285.2	262.5	250.8	245.8
102.5°	414.0	398.5	376.3	353.0	336.9	324.2	320.5
105°	437.7	451.6	448.2	438.0	427.7	421.3	417.6
107.5°	416.6	452.2	468.7	473.8	473.8	471.6	469.1
110°	392.7	437.1	463.9	478.0	484.0	486.2	486.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	369.0	413.9	445.5	466.2	476.5	482.0	484.3
115°	335.0	378.2	412.5	437.1	452.2	461.0	465.1
117.5°	311.5	348.7	380.2	404.7	420.4	429.2	431.7
120°	298.1	332.8	360.5	383.9	399.0	407.5	410.0
122.5°	288.6	319.4	345.4	366.2	380.0	388.6	390.8
125°	275.7	303.2	325.8	343.5	356.4	363.4	366.5
127.5°	263.5	289.1	310.3	326.4	337.8	344.3	345.7
130°	254.9	279.6	300.1	315.8	326.2	332.5	334.4
132.5°	246.9	269.2	288.9	304.7	315.0	320.8	323.0
135°	234.4	254.7	272.6	286.5	296.9	302.6	304.4
137.5°	223.4	240.1	255.4	267.8	277.2	282.5	284.5
140°	216.8	231.3	244.5	256.2	264.4	269.1	270.7
142.5°	211.2	223.7	235.2	245.1	252.1	256.5	257.9
145°	204.2	214.0	222.5	230.1	235.4	238.9	240.1
147.5°	198.3	205.9	212.3	218.3	222.6	224.5	225.2
150°	195.1	201.1	206.7	211.4	215.3	216.5	216.8
152.5°	191.8	197.2	201.7	205.6	208.7	209.9	210.3
155°	186.9	191.3	194.7	197.9	200.1	201.1	201.3
157.5°	182.2	185.7	188.3	190.8	192.6	193.5	193.4
160°	178.7	181.8	184.0	186.3	187.8	188.4	188.2
162.5°	175.7	178.3	180.3	182.0	183.2	183.4	183.3
165°	171.1	173.0	174.6	175.8	176.5	176.5	176.5
167.5°	166.7	168.2	169.3	170.0	170.5	170.2	170.1
170°	164.2	165.1	165.8	166.4	166.7	166.7	166.4
172.5°	161.9	162.6	163.0	163.1	163.7	163.2	162.8
175°	158.5	159.2	159.2	159.2	159.4	158.8	158.5
177.5°	157.0	157.0	157.0	156.9	157.0	156.3	156.3
180°	156.3	156.3	156.3	156.3	156.3	156.3	156.3

(END OF REPORT)