

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: P333528-940

Luminaire Tested: **S125RDIP-S610D590U940-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333528-940  
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-S610D590U940-4F0-1E-UDD-A4  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 590 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4031.3 lumens  
Efficiency: N/A  
Efficacy: 122.9 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

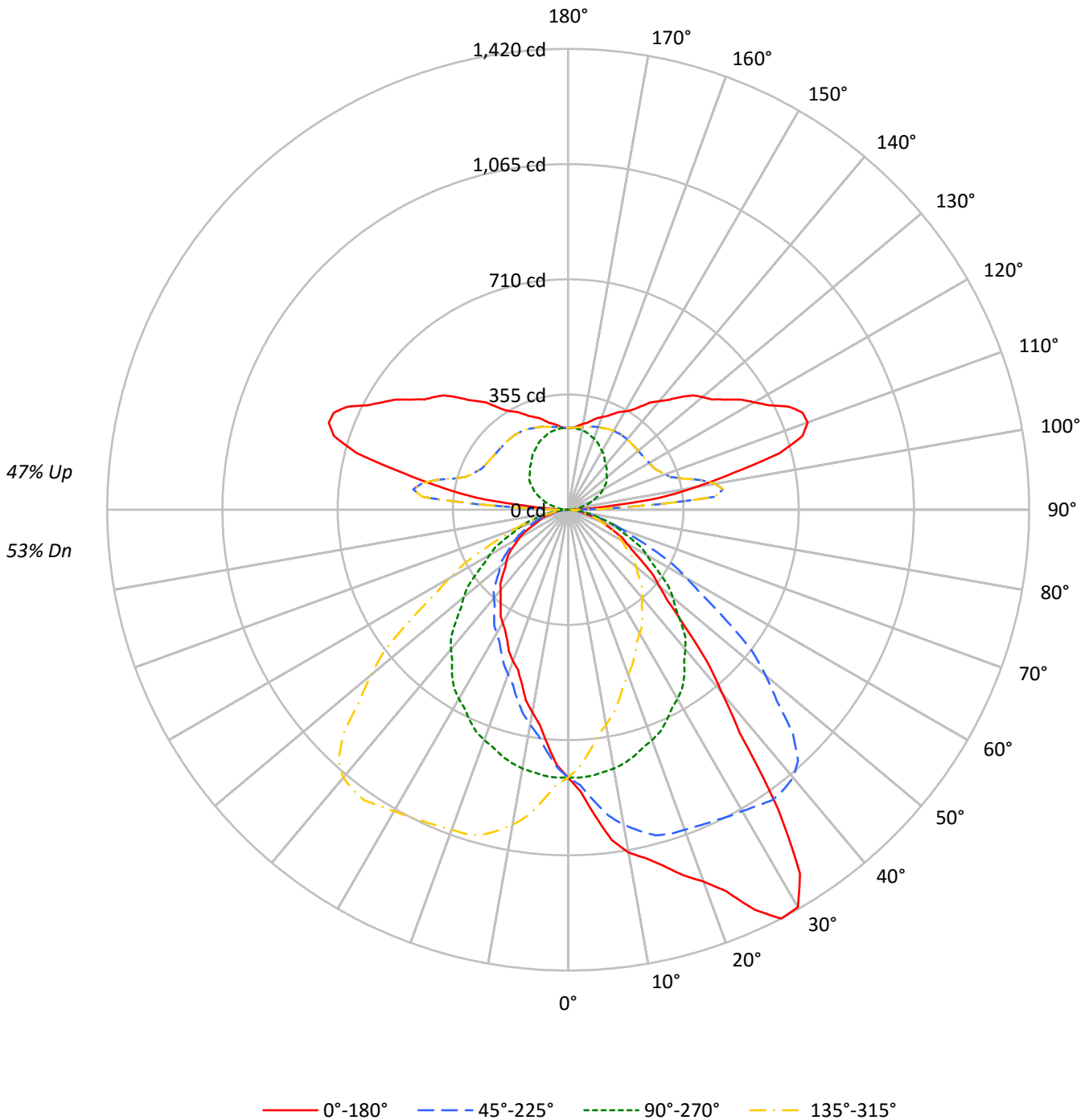
Input Watts (W): 32.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	108	108	108	108	100	100	100	100	85	85	85	71	71	71	59	59	59	53
1	99	95	91	88	92	88	85	82	75	73	71	64	62	60	53	52	51	46
2	90	83	77	72	84	77	72	68	66	63	59	56	54	51	47	45	43	39
3	83	74	66	61	76	68	62	57	59	54	50	50	47	44	42	39	37	33
4	76	65	58	52	70	61	54	49	53	47	43	45	41	38	38	35	32	29
5	70	58	50	44	64	54	47	42	47	42	37	40	36	33	34	31	28	25
6	64	52	44	39	59	49	42	37	43	37	33	37	32	29	31	28	25	22
7	60	47	40	34	55	44	37	32	39	33	29	33	29	26	28	25	22	20
8	55	43	35	30	51	40	33	29	35	30	26	31	26	23	26	23	20	18
9	51	39	32	27	48	37	30	26	32	27	23	28	24	21	24	21	18	16
10	48	36	29	24	45	34	27	23	30	25	21	26	22	19	22	19	17	15

**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	2.0
10°-20°	231.9	5.8
20°-30°	367.7	9.1
30°-40°	443.4	11.0
40°-50°	396.0	9.8
50°-60°	303.6	7.5
60°-70°	197.3	4.9
70°-80°	95.9	2.4
80°-90°	24.3	0.6
90°-100°	182.9	4.5
100°-110°	393.1	9.8
110°-120°	369.0	9.2
120°-130°	299.0	7.4
130°-140°	240.0	6.0
140°-150°	181.1	4.5
150°-160°	127.5	3.2
160°-170°	75.1	1.9
170°-180°	24.4	0.6
0°-30°	678.7	16.8
0°-40°	1122.1	27.8
0°-60°	1821.7	45.2
0°-90°	2139.3	53.1
90°-120°	945.0	23.4
90°-150°	1665.0	41.3
90°-180°	1892.0	46.9
0°-180°	4031.3	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°	12	0	12	0	12	9
95°	120	17	120	17	120	169
105°	674	58	674	58	674	670
115°	751	103	751	103	751	734
125°	592	142	592	142	592	535
135°	491	167	491	167	491	381
145°	388	194	388	194	388	246
155°	325	222	325	222	325	151
165°	285	242	285	242	285	81
175°	256	252	256	252	256	25
180°	252	252	252	252	252	



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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°	8.3	8.0	7.7	7.7	7.9	8.3	7.9	7.5	7.4	7.3	7.4
90°	11.7	11.7	11.1	11.1	11.1	10.2	9.6	9.2	8.6	8.1	7.1
92.5°	32.5	33.3	34.0	35.2	41.7	49.2	65.5	90.2	132.8	164.0	166.7
95°	119.6	127.7	131.7	147.0	183.2	225.9	288.4	365.7	441.0	450.7	367.7
97.5°	288.9	295.4	310.1	338.7	370.1	429.5	490.4	544.7	558.0	481.3	328.4
100°	396.7	404.9	423.7	460.3	495.4	548.3	600.7	625.6	586.5	459.3	293.0
102.5°	517.2	523.3	543.8	569.8	607.3	643.1	668.2	652.9	569.4	420.6	266.1
105°	674.0	680.1	690.3	707.0	723.3	728.9	706.5	636.9	514.8	368.8	240.0
107.5°	757.2	761.3	764.6	764.7	756.4	730.0	672.4	579.4	459.1	333.1	229.1
110°	784.9	784.9	781.3	771.6	748.8	705.5	633.8	537.2	427.3	316.4	225.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	781.6	777.9	769.1	752.5	719.1	668.1	595.6	503.8	403.7	306.7	225.9
115°	750.8	744.1	730.0	705.5	665.8	610.4	540.7	461.8	377.9	296.0	227.4
117.5°	696.8	692.7	678.6	653.4	613.7	562.8	502.7	434.8	362.6	290.9	230.7
120°	661.7	657.7	644.0	619.6	581.9	537.2	481.2	420.2	354.0	288.4	234.0
122.5°	630.8	627.1	613.4	591.0	557.5	515.6	465.7	409.2	346.7	286.4	236.8
125°	591.6	586.5	575.3	554.5	525.9	489.4	445.1	393.2	336.7	283.8	241.7
127.5°	558.0	555.7	545.2	526.7	501.0	466.6	425.3	376.9	327.6	282.6	247.0
130°	539.7	536.6	526.5	509.7	484.2	451.2	411.5	366.8	321.5	281.8	250.3
132.5°	521.4	517.9	508.5	491.8	466.4	434.5	398.5	356.6	316.6	281.8	254.0
135°	491.3	488.3	479.1	462.4	440.0	411.0	378.4	343.3	310.8	281.8	258.9
137.5°	459.3	455.9	447.5	432.2	412.2	387.6	360.5	332.2	305.6	282.4	263.5
140°	436.9	434.4	426.8	413.6	394.8	373.4	350.0	326.0	303.2	282.9	265.6
142.5°	416.2	414.0	406.8	395.7	379.7	361.1	341.0	320.7	301.1	283.2	266.7
145°	387.6	385.6	380.0	371.3	359.1	345.4	329.6	313.9	298.1	282.9	268.0
147.5°	363.4	362.5	359.2	352.3	342.6	332.3	320.1	307.4	294.9	281.5	268.6
150°	350.0	349.5	347.4	341.3	333.7	324.5	314.9	303.6	292.5	280.3	268.6
152.5°	339.4	338.9	336.8	332.0	325.6	318.4	309.6	299.6	289.6	278.7	268.1
155°	325.0	324.5	323.0	319.4	314.3	308.7	301.7	293.5	284.8	275.7	267.1
157.5°	312.2	312.3	310.9	307.9	304.0	299.6	294.1	287.4	280.4	272.6	265.7
160°	303.6	304.2	303.2	300.6	297.0	293.5	288.4	283.3	276.7	270.6	264.5
162.5°	296.0	296.0	295.9	293.7	291.0	287.8	283.6	278.8	273.5	268.1	263.3
165°	284.8	284.8	284.8	283.8	281.8	279.3	276.2	272.6	268.6	264.5	261.4
167.5°	274.6	274.7	275.2	274.3	273.2	271.4	269.1	266.7	263.8	260.9	258.6
170°	268.6	269.1	269.1	268.6	267.5	266.5	265.0	263.5	260.9	258.9	257.3
172.5°	262.9	263.4	264.2	263.3	263.1	262.4	261.4	259.8	258.1	256.5	255.7
175°	255.8	256.4	257.3	256.9	256.9	256.9	255.8	255.8	254.3	253.8	253.8
177.5°	252.3	252.3	253.5	253.1	253.5	253.5	253.5	253.1	252.7	252.3	252.3
180°	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3



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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°	7.6	7.3	7.5	7.3	6.9	8.0	8.6	8.7	8.3	8.0	7.7
90°	6.6	5.6	5.1	4.1	3.0	2.1	1.0	0.5	1.0	2.1	3.0
92.5°	116.1	69.5	41.7	26.8	18.1	11.8	7.5	6.2	7.5	11.8	18.1
95°	227.4	115.5	61.1	38.2	26.9	21.4	17.3	16.8	17.3	21.4	26.9
97.5°	181.5	99.5	63.5	47.0	36.9	31.3	28.4	27.9	28.4	31.3	36.9
100°	164.8	98.7	69.2	53.9	44.2	38.7	36.6	35.6	36.6	38.7	44.2
102.5°	157.9	102.4	76.1	61.3	52.4	46.4	44.8	44.1	44.8	46.4	52.4
105°	155.2	109.9	87.5	73.2	65.1	60.0	57.5	57.5	57.5	60.0	65.1
107.5°	159.8	121.1	99.4	86.6	78.1	73.9	71.5	70.5	71.5	73.9	78.1
110°	164.3	129.2	108.3	95.1	87.5	82.9	80.9	79.9	80.9	82.9	87.5





TEST NUMBER: P333528-940

CATALOG NUMBER: S125RDIP-S610D590U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	170.0	137.0	116.9	104.1	96.5	91.8	90.2	89.3	90.2	91.8	96.5
115°	178.5	149.0	130.2	117.5	109.9	105.3	103.8	102.7	103.8	105.3	109.9
117.5°	188.3	161.5	143.7	131.3	122.7	118.2	116.5	114.9	116.5	118.2	122.7
120°	194.8	170.4	152.6	139.9	131.3	126.6	124.7	123.1	124.7	126.6	131.3
122.5°	202.2	179.0	161.1	148.5	138.9	134.4	132.8	131.6	132.8	134.4	138.9
125°	212.1	190.2	173.4	160.2	150.5	146.0	143.5	142.4	143.5	146.0	150.5
127.5°	221.2	201.1	184.9	171.7	161.5	155.7	152.4	150.9	152.4	155.7	161.5
130°	227.4	208.0	192.3	179.1	168.4	161.8	157.7	156.1	157.7	161.8	168.4
132.5°	232.6	214.5	198.8	185.6	174.5	167.0	162.2	160.2	162.2	167.0	174.5
135°	240.0	223.3	207.5	193.8	183.2	175.0	168.9	166.8	168.9	175.0	183.2
137.5°	245.6	229.5	215.2	201.0	190.6	182.4	176.7	175.2	176.7	182.4	190.6
140°	249.2	234.0	219.3	205.5	195.8	187.7	181.6	180.0	181.6	187.7	195.8
142.5°	251.3	236.8	222.9	210.0	200.7	192.6	186.9	185.7	186.9	192.6	200.7
145°	254.3	241.7	228.4	216.7	207.5	200.4	195.3	194.3	195.3	200.4	207.5
147.5°	256.2	244.7	233.1	222.7	214.8	208.2	203.8	203.2	203.8	208.2	214.8
150°	257.3	246.7	235.5	226.9	219.7	213.1	209.6	208.6	209.6	213.1	219.7
152.5°	258.2	248.7	238.4	230.5	223.8	218.0	214.8	214.3	214.8	218.0	223.8
155°	258.9	250.7	242.1	235.0	229.9	224.8	221.8	221.8	221.8	224.8	229.9
157.5°	259.4	252.5	245.0	239.7	235.2	230.9	228.4	228.5	228.4	230.9	235.2
160°	259.4	253.3	246.7	242.1	238.1	234.5	232.5	233.0	232.5	234.5	238.1
162.5°	259.0	254.1	248.3	244.6	241.3	238.2	236.1	236.7	236.1	238.2	241.3
165°	258.4	254.3	250.3	247.2	245.1	242.6	241.1	242.1	241.1	242.6	245.1
167.5°	257.2	254.3	250.9	249.1	247.6	246.2	245.3	245.8	245.3	246.2	247.6
170°	256.4	254.3	251.8	250.3	249.2	248.3	247.7	248.3	247.7	248.3	249.2
172.5°	255.6	254.0	251.8	251.1	250.5	249.4	249.0	249.9	249.0	249.4	250.5
175°	254.3	253.3	251.8	251.8	251.8	251.3	250.7	251.8	250.7	251.3	251.8
177.5°	253.1	252.7	251.9	251.9	252.3	251.9	251.9	252.7	251.9	251.9	252.3
180°	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3



TEST NUMBER: P333528-940

CATALOG NUMBER: S125RDIP-S610D590U940-4F0-1E-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°	7.6	7.8	7.6	8.4	7.7	8.1	8.2	8.0	8.2	8.3	8.2
90°	4.1	5.1	5.6	6.6	7.1	8.1	8.6	9.2	9.6	10.2	11.1
92.5°	26.8	41.7	69.5	116.1	166.7	164.0	132.8	90.2	65.5	49.2	41.7
95°	38.2	61.1	115.5	227.4	367.7	450.7	441.0	365.7	288.4	225.9	183.2
97.5°	47.0	63.5	99.5	181.5	328.4	481.3	558.0	544.7	490.4	429.5	370.1
100°	53.9	69.2	98.7	164.8	293.0	459.3	586.5	625.6	600.7	548.3	495.4
102.5°	61.3	76.1	102.4	157.9	266.1	420.6	569.4	652.9	668.2	643.1	607.3
105°	73.2	87.5	109.9	155.2	240.0	368.8	514.8	636.9	706.5	728.9	723.3
107.5°	86.6	99.4	121.1	159.8	229.1	333.1	459.1	579.4	672.4	730.0	756.4
110°	95.1	108.3	129.2	164.3	225.9	316.4	427.3	537.2	633.8	705.5	748.8



TEST NUMBER: P333528-940

CATALOG NUMBER: S125RDIP-S610D590U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	104.1	116.9	137.0	170.0	225.9	306.7	403.7	503.8	595.6	668.1	719.1
115°	117.5	130.2	149.0	178.5	227.4	296.0	377.9	461.8	540.7	610.4	665.8
117.5°	131.3	143.7	161.5	188.3	230.7	290.9	362.6	434.8	502.7	562.8	613.7
120°	139.9	152.6	170.4	194.8	234.0	288.4	354.0	420.2	481.2	537.2	581.9
122.5°	148.5	161.1	179.0	202.2	236.8	286.4	346.7	409.2	465.7	515.6	557.5
125°	160.2	173.4	190.2	212.1	241.7	283.8	336.7	393.2	445.1	489.4	525.9
127.5°	171.7	184.9	201.1	221.2	247.0	282.6	327.6	376.9	425.3	466.6	501.0
130°	179.1	192.3	208.0	227.4	250.3	281.8	321.5	366.8	411.5	451.2	484.2
132.5°	185.6	198.8	214.5	232.6	254.0	281.8	316.6	356.6	398.5	434.5	466.4
135°	193.8	207.5	223.3	240.0	258.9	281.8	310.8	343.3	378.4	411.0	440.0
137.5°	201.0	215.2	229.5	245.6	263.5	282.4	305.6	332.2	360.5	387.6	412.2
140°	205.5	219.3	234.0	249.2	265.6	282.9	303.2	326.0	350.0	373.4	394.8
142.5°	210.0	222.9	236.8	251.3	266.7	283.2	301.1	320.7	341.0	361.1	379.7
145°	216.7	228.4	241.7	254.3	268.0	282.9	298.1	313.9	329.6	345.4	359.1
147.5°	222.7	233.1	244.7	256.2	268.6	281.5	294.9	307.4	320.1	332.3	342.6
150°	226.9	235.5	246.7	257.3	268.6	280.3	292.5	303.6	314.9	324.5	333.7
152.5°	230.5	238.4	248.7	258.2	268.1	278.7	289.6	299.6	309.6	318.4	325.6
155°	235.0	242.1	250.7	258.9	267.1	275.7	284.8	293.5	301.7	308.7	314.3
157.5°	239.7	245.0	252.5	259.4	265.7	272.6	280.4	287.4	294.1	299.6	304.0
160°	242.1	246.7	253.3	259.4	264.5	270.6	276.7	283.3	288.4	293.5	297.0
162.5°	244.6	248.3	254.1	259.0	263.3	268.1	273.5	278.8	283.6	287.8	291.0
165°	247.2	250.3	254.3	258.4	261.4	264.5	268.6	272.6	276.2	279.3	281.8
167.5°	249.1	250.9	254.3	257.2	258.6	260.9	263.8	266.7	269.1	271.4	273.2
170°	250.3	251.8	254.3	256.4	257.3	258.9	260.9	263.5	265.0	266.5	267.5
172.5°	251.1	251.8	254.0	255.6	255.7	256.5	258.1	259.8	261.4	262.4	263.1
175°	251.8	251.8	253.3	254.3	253.8	253.8	254.3	255.8	255.8	256.9	256.9
177.5°	251.9	251.9	252.7	253.1	252.3	252.3	252.7	253.1	253.5	253.5	253.5
180°	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3



TEST NUMBER: P333528-940

CATALOG NUMBER: S125RDIP-S610D590U940-4F0-1E-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°	8.5	8.2	8.3	8.3	8.3	8.2	8.5	8.2	8.3	8.2	8.0
90°	11.1	11.1	11.7	11.7	11.7	11.1	11.1	11.1	10.2	9.6	9.2
92.5°	35.2	34.0	33.3	32.5	33.3	34.0	35.2	41.7	49.2	65.5	90.2
95°	147.0	131.7	127.7	119.6	127.7	131.7	147.0	183.2	225.9	288.4	365.7
97.5°	338.7	310.1	295.4	288.9	295.4	310.1	338.7	370.1	429.5	490.4	544.7
100°	460.3	423.7	404.9	396.7	404.9	423.7	460.3	495.4	548.3	600.7	625.6
102.5°	569.8	543.8	523.3	517.2	523.3	543.8	569.8	607.3	643.1	668.2	652.9
105°	707.0	690.3	680.1	674.0	680.1	690.3	707.0	723.3	728.9	706.5	636.9
107.5°	764.7	764.6	761.3	757.2	761.3	764.6	764.7	756.4	730.0	672.4	579.4
110°	771.6	781.3	784.9	784.9	784.9	781.3	771.6	748.8	705.5	633.8	537.2



TEST NUMBER: P333528-940

CATALOG NUMBER: S125RDIP-S610D590U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	752.5	769.1	777.9	781.6	777.9	769.1	752.5	719.1	668.1	595.6	503.8
115°	705.5	730.0	744.1	750.8	744.1	730.0	705.5	665.8	610.4	540.7	461.8
117.5°	653.4	678.6	692.7	696.8	692.7	678.6	653.4	613.7	562.8	502.7	434.8
120°	619.6	644.0	657.7	661.7	657.7	644.0	619.6	581.9	537.2	481.2	420.2
122.5°	591.0	613.4	627.1	630.8	627.1	613.4	591.0	557.5	515.6	465.7	409.2
125°	554.5	575.3	586.5	591.6	586.5	575.3	554.5	525.9	489.4	445.1	393.2
127.5°	526.7	545.2	555.7	558.0	555.7	545.2	526.7	501.0	466.6	425.3	376.9
130°	509.7	526.5	536.6	539.7	536.6	526.5	509.7	484.2	451.2	411.5	366.8
132.5°	491.8	508.5	517.9	521.4	517.9	508.5	491.8	466.4	434.5	398.5	356.6
135°	462.4	479.1	488.3	491.3	488.3	479.1	462.4	440.0	411.0	378.4	343.3
137.5°	432.2	447.5	455.9	459.3	455.9	447.5	432.2	412.2	387.6	360.5	332.2
140°	413.6	426.8	434.4	436.9	434.4	426.8	413.6	394.8	373.4	350.0	326.0
142.5°	395.7	406.8	414.0	416.2	414.0	406.8	395.7	379.7	361.1	341.0	320.7
145°	371.3	380.0	385.6	387.6	385.6	380.0	371.3	359.1	345.4	329.6	313.9
147.5°	352.3	359.2	362.5	363.4	362.5	359.2	352.3	342.6	332.3	320.1	307.4
150°	341.3	347.4	349.5	350.0	349.5	347.4	341.3	333.7	324.5	314.9	303.6
152.5°	332.0	336.8	338.9	339.4	338.9	336.8	332.0	325.6	318.4	309.6	299.6
155°	319.4	323.0	324.5	325.0	324.5	323.0	319.4	314.3	308.7	301.7	293.5
157.5°	307.9	310.9	312.3	312.2	312.3	310.9	307.9	304.0	299.6	294.1	287.4
160°	300.6	303.2	304.2	303.6	304.2	303.2	300.6	297.0	293.5	288.4	283.3
162.5°	293.7	295.9	296.0	296.0	296.0	295.9	293.7	291.0	287.8	283.6	278.8
165°	283.8	284.8	284.8	284.8	284.8	284.8	283.8	281.8	279.3	276.2	272.6
167.5°	274.3	275.2	274.7	274.6	274.7	275.2	274.3	273.2	271.4	269.1	266.7
170°	268.6	269.1	269.1	268.6	269.1	269.1	268.6	267.5	266.5	265.0	263.5
172.5°	263.3	264.2	263.4	262.9	263.4	264.2	263.3	263.1	262.4	261.4	259.8
175°	256.9	257.3	256.4	255.8	256.4	257.3	256.9	256.9	256.9	255.8	255.8
177.5°	253.1	253.5	252.3	252.3	252.3	253.5	253.1	253.5	253.5	253.5	253.1
180°	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3



TEST NUMBER: P333528-940

CATALOG NUMBER: S125RDIP-S610D590U940-4F0-1E-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°	8.2	8.1	7.7	8.4	7.6	7.8	7.6	7.7	8.0	8.3	8.7
90°	8.6	8.1	7.1	6.6	5.6	5.1	4.1	3.0	2.1	1.0	0.5
92.5°	132.8	164.0	166.7	116.1	69.5	41.7	26.8	18.1	11.8	7.5	6.2
95°	441.0	450.7	367.7	227.4	115.5	61.1	38.2	26.9	21.4	17.3	16.8
97.5°	558.0	481.3	328.4	181.5	99.5	63.5	47.0	36.9	31.3	28.4	27.9
100°	586.5	459.3	293.0	164.8	98.7	69.2	53.9	44.2	38.7	36.6	35.6
102.5°	569.4	420.6	266.1	157.9	102.4	76.1	61.3	52.4	46.4	44.8	44.1
105°	514.8	368.8	240.0	155.2	109.9	87.5	73.2	65.1	60.0	57.5	57.5
107.5°	459.1	333.1	229.1	159.8	121.1	99.4	86.6	78.1	73.9	71.5	70.5
110°	427.3	316.4	225.9	164.3	129.2	108.3	95.1	87.5	82.9	80.9	79.9



TEST NUMBER: P333528-940

CATALOG NUMBER: S125RDIP-S610D590U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	403.7	306.7	225.9	170.0	137.0	116.9	104.1	96.5	91.8	90.2	89.3
115°	377.9	296.0	227.4	178.5	149.0	130.2	117.5	109.9	105.3	103.8	102.7
117.5°	362.6	290.9	230.7	188.3	161.5	143.7	131.3	122.7	118.2	116.5	114.9
120°	354.0	288.4	234.0	194.8	170.4	152.6	139.9	131.3	126.6	124.7	123.1
122.5°	346.7	286.4	236.8	202.2	179.0	161.1	148.5	138.9	134.4	132.8	131.6
125°	336.7	283.8	241.7	212.1	190.2	173.4	160.2	150.5	146.0	143.5	142.4
127.5°	327.6	282.6	247.0	221.2	201.1	184.9	171.7	161.5	155.7	152.4	150.9
130°	321.5	281.8	250.3	227.4	208.0	192.3	179.1	168.4	161.8	157.7	156.1
132.5°	316.6	281.8	254.0	232.6	214.5	198.8	185.6	174.5	167.0	162.2	160.2
135°	310.8	281.8	258.9	240.0	223.3	207.5	193.8	183.2	175.0	168.9	166.8
137.5°	305.6	282.4	263.5	245.6	229.5	215.2	201.0	190.6	182.4	176.7	175.2
140°	303.2	282.9	265.6	249.2	234.0	219.3	205.5	195.8	187.7	181.6	180.0
142.5°	301.1	283.2	266.7	251.3	236.8	222.9	210.0	200.7	192.6	186.9	185.7
145°	298.1	282.9	268.0	254.3	241.7	228.4	216.7	207.5	200.4	195.3	194.3
147.5°	294.9	281.5	268.6	256.2	244.7	233.1	222.7	214.8	208.2	203.8	203.2
150°	292.5	280.3	268.6	257.3	246.7	235.5	226.9	219.7	213.1	209.6	208.6
152.5°	289.6	278.7	268.1	258.2	248.7	238.4	230.5	223.8	218.0	214.8	214.3
155°	284.8	275.7	267.1	258.9	250.7	242.1	235.0	229.9	224.8	221.8	221.8
157.5°	280.4	272.6	265.7	259.4	252.5	245.0	239.7	235.2	230.9	228.4	228.5
160°	276.7	270.6	264.5	259.4	253.3	246.7	242.1	238.1	234.5	232.5	233.0
162.5°	273.5	268.1	263.3	259.0	254.1	248.3	244.6	241.3	238.2	236.1	236.7
165°	268.6	264.5	261.4	258.4	254.3	250.3	247.2	245.1	242.6	241.1	242.1
167.5°	263.8	260.9	258.6	257.2	254.3	250.9	249.1	247.6	246.2	245.3	245.8
170°	260.9	258.9	257.3	256.4	254.3	251.8	250.3	249.2	248.3	247.7	248.3
172.5°	258.1	256.5	255.7	255.6	254.0	251.8	251.1	250.5	249.4	249.0	249.9
175°	254.3	253.8	253.8	254.3	253.3	251.8	251.8	251.8	251.3	250.7	251.8
177.5°	252.7	252.3	252.3	253.1	252.7	251.9	251.9	252.3	251.9	251.9	252.7
180°	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3



TEST NUMBER: P333528-940

CATALOG NUMBER: S125RDIP-S610D590U940-4F0-1E-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	8.0	6.9	7.3	7.5	7.3	7.6	7.4	7.3	7.4	7.5
90°	1.0	2.1	3.0	4.1	5.1	5.6	6.6	7.1	8.1	8.6	9.2
92.5°	7.5	11.8	18.1	26.8	41.7	69.5	116.1	166.7	164.0	132.8	90.2
95°	17.3	21.4	26.9	38.2	61.1	115.5	227.4	367.7	450.7	441.0	365.7
97.5°	28.4	31.3	36.9	47.0	63.5	99.5	181.5	328.4	481.3	558.0	544.7
100°	36.6	38.7	44.2	53.9	69.2	98.7	164.8	293.0	459.3	586.5	625.6
102.5°	44.8	46.4	52.4	61.3	76.1	102.4	157.9	266.1	420.6	569.4	652.9
105°	57.5	60.0	65.1	73.2	87.5	109.9	155.2	240.0	368.8	514.8	636.9
107.5°	71.5	73.9	78.1	86.6	99.4	121.1	159.8	229.1	333.1	459.1	579.4
110°	80.9	82.9	87.5	95.1	108.3	129.2	164.3	225.9	316.4	427.3	537.2





TEST NUMBER: P333528-940

CATALOG NUMBER: S125RDIP-S610D590U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	90.2	91.8	96.5	104.1	116.9	137.0	170.0	225.9	306.7	403.7	503.8
115°	103.8	105.3	109.9	117.5	130.2	149.0	178.5	227.4	296.0	377.9	461.8
117.5°	116.5	118.2	122.7	131.3	143.7	161.5	188.3	230.7	290.9	362.6	434.8
120°	124.7	126.6	131.3	139.9	152.6	170.4	194.8	234.0	288.4	354.0	420.2
122.5°	132.8	134.4	138.9	148.5	161.1	179.0	202.2	236.8	286.4	346.7	409.2
125°	143.5	146.0	150.5	160.2	173.4	190.2	212.1	241.7	283.8	336.7	393.2
127.5°	152.4	155.7	161.5	171.7	184.9	201.1	221.2	247.0	282.6	327.6	376.9
130°	157.7	161.8	168.4	179.1	192.3	208.0	227.4	250.3	281.8	321.5	366.8
132.5°	162.2	167.0	174.5	185.6	198.8	214.5	232.6	254.0	281.8	316.6	356.6
135°	168.9	175.0	183.2	193.8	207.5	223.3	240.0	258.9	281.8	310.8	343.3
137.5°	176.7	182.4	190.6	201.0	215.2	229.5	245.6	263.5	282.4	305.6	332.2
140°	181.6	187.7	195.8	205.5	219.3	234.0	249.2	265.6	282.9	303.2	326.0
142.5°	186.9	192.6	200.7	210.0	222.9	236.8	251.3	266.7	283.2	301.1	320.7
145°	195.3	200.4	207.5	216.7	228.4	241.7	254.3	268.0	282.9	298.1	313.9
147.5°	203.8	208.2	214.8	222.7	233.1	244.7	256.2	268.6	281.5	294.9	307.4
150°	209.6	213.1	219.7	226.9	235.5	246.7	257.3	268.6	280.3	292.5	303.6
152.5°	214.8	218.0	223.8	230.5	238.4	248.7	258.2	268.1	278.7	289.6	299.6
155°	221.8	224.8	229.9	235.0	242.1	250.7	258.9	267.1	275.7	284.8	293.5
157.5°	228.4	230.9	235.2	239.7	245.0	252.5	259.4	265.7	272.6	280.4	287.4
160°	232.5	234.5	238.1	242.1	246.7	253.3	259.4	264.5	270.6	276.7	283.3
162.5°	236.1	238.2	241.3	244.6	248.3	254.1	259.0	263.3	268.1	273.5	278.8
165°	241.1	242.6	245.1	247.2	250.3	254.3	258.4	261.4	264.5	268.6	272.6
167.5°	245.3	246.2	247.6	249.1	250.9	254.3	257.2	258.6	260.9	263.8	266.7
170°	247.7	248.3	249.2	250.3	251.8	254.3	256.4	257.3	258.9	260.9	263.5
172.5°	249.0	249.4	250.5	251.1	251.8	254.0	255.6	255.7	256.5	258.1	259.8
175°	250.7	251.3	251.8	251.8	251.8	253.3	254.3	253.8	253.8	254.3	255.8
177.5°	251.9	251.9	252.3	251.9	251.9	252.7	253.1	252.3	252.3	252.7	253.1
180°	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3



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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°	7.9	8.3	7.9	7.7	7.7	8.0	8.3
90°	9.6	10.2	11.1	11.1	11.1	11.7	11.7
92.5°	65.5	49.2	41.7	35.2	34.0	33.3	32.5
95°	288.4	225.9	183.2	147.0	131.7	127.7	119.6
97.5°	490.4	429.5	370.1	338.7	310.1	295.4	288.9
100°	600.7	548.3	495.4	460.3	423.7	404.9	396.7
102.5°	668.2	643.1	607.3	569.8	543.8	523.3	517.2
105°	706.5	728.9	723.3	707.0	690.3	680.1	674.0
107.5°	672.4	730.0	756.4	764.7	764.6	761.3	757.2
110°	633.8	705.5	748.8	771.6	781.3	784.9	784.9



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	595.6	668.1	719.1	752.5	769.1	777.9	781.6
115°	540.7	610.4	665.8	705.5	730.0	744.1	750.8
117.5°	502.7	562.8	613.7	653.4	678.6	692.7	696.8
120°	481.2	537.2	581.9	619.6	644.0	657.7	661.7
122.5°	465.7	515.6	557.5	591.0	613.4	627.1	630.8
125°	445.1	489.4	525.9	554.5	575.3	586.5	591.6
127.5°	425.3	466.6	501.0	526.7	545.2	555.7	558.0
130°	411.5	451.2	484.2	509.7	526.5	536.6	539.7
132.5°	398.5	434.5	466.4	491.8	508.5	517.9	521.4
135°	378.4	411.0	440.0	462.4	479.1	488.3	491.3
137.5°	360.5	387.6	412.2	432.2	447.5	455.9	459.3
140°	350.0	373.4	394.8	413.6	426.8	434.4	436.9
142.5°	341.0	361.1	379.7	395.7	406.8	414.0	416.2
145°	329.6	345.4	359.1	371.3	380.0	385.6	387.6
147.5°	320.1	332.3	342.6	352.3	359.2	362.5	363.4
150°	314.9	324.5	333.7	341.3	347.4	349.5	350.0
152.5°	309.6	318.4	325.6	332.0	336.8	338.9	339.4
155°	301.7	308.7	314.3	319.4	323.0	324.5	325.0
157.5°	294.1	299.6	304.0	307.9	310.9	312.3	312.2
160°	288.4	293.5	297.0	300.6	303.2	304.2	303.6
162.5°	283.6	287.8	291.0	293.7	295.9	296.0	296.0
165°	276.2	279.3	281.8	283.8	284.8	284.8	284.8
167.5°	269.1	271.4	273.2	274.3	275.2	274.7	274.6
170°	265.0	266.5	267.5	268.6	269.1	269.1	268.6
172.5°	261.4	262.4	263.1	263.3	264.2	263.4	262.9
175°	255.8	256.9	256.9	256.9	257.3	256.4	255.8
177.5°	253.5	253.5	253.5	253.1	253.5	252.3	252.3
180°	252.3	252.3	252.3	252.3	252.3	252.3	252.3

(END OF REPORT)