

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: P333661-940

Luminaire Tested: **S125RDIW-S610D470U940-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333661-940  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125RDIW-S610D470U940-4F0-1E-UDD-A1  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 470 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3588.2 lumens  
Efficiency: N/A  
Efficacy: 118.8 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

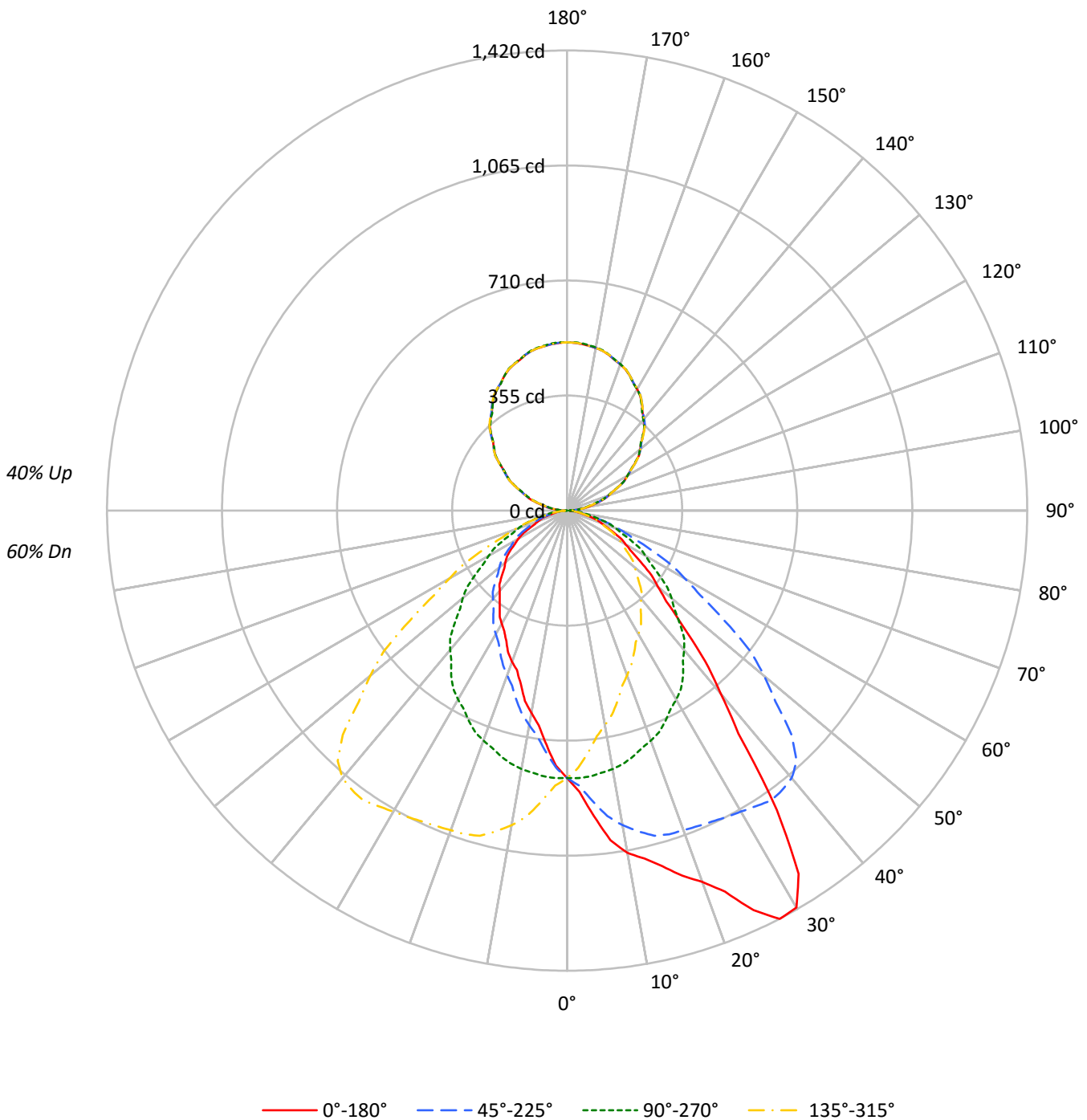
Input Watts (W): 30.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20			20			20			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	109	109	109	109	102	102	102	102	89	89	89	76	76	76	65	65	65	60
1	100	96	93	89	94	90	87	84	79	76	74	68	66	65	58	57	56	51
2	92	85	79	74	86	79	74	70	69	65	62	60	57	55	52	50	48	44
3	84	75	68	62	78	70	64	59	62	57	53	54	50	47	46	44	41	38
4	77	66	59	53	72	63	56	50	55	50	45	48	44	40	42	38	36	32
5	71	59	51	45	66	56	49	43	49	44	39	43	39	35	38	34	31	28
6	65	53	45	40	61	50	43	38	45	39	34	39	35	31	34	31	28	25
7	61	48	40	35	57	46	39	33	41	35	30	36	31	28	31	28	25	22
8	56	44	36	31	53	42	35	30	37	31	27	33	28	25	29	25	22	20
9	53	40	33	28	49	38	31	27	34	28	24	30	26	22	27	23	20	18
10	49	37	30	25	46	35	28	24	31	26	22	28	23	20	25	21	18	16

**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	2.2
10°-20°	231.9	6.5
20°-30°	367.7	10.2
30°-40°	443.4	12.4
40°-50°	396.0	11.0
50°-60°	303.6	8.5
60°-70°	197.3	5.5
70°-80°	95.9	2.7
80°-90°	24.0	0.7
90°-100°	34.8	1.0
100°-110°	102.7	2.9
110°-120°	174.0	4.8
120°-130°	229.0	6.4
130°-140°	256.6	7.2
140°-150°	251.5	7.0
150°-160°	211.2	5.9
160°-170°	140.4	3.9
170°-180°	49.1	1.4
0°-30°	678.7	18.9
0°-40°	1122.1	31.3
0°-60°	1821.7	50.8
0°-90°	2139.0	59.6
90°-120°	311.5	8.7
90°-150°	1048.5	29.2
90°-180°	1449.0	40.4
0°-180°	3588.2	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°	10	0	10	0	10	6
95°	35	26	35	26	35	35
105°	100	92	100	92	100	106
115°	176	174	176	174	176	174
125°	256	254	256	254	256	228
135°	332	331	332	331	332	256
145°	402	401	402	401	402	251
155°	458	458	458	458	458	211
165°	497	498	497	498	497	140
175°	516	518	516	518	516	49
180°	519	519	519	519	519	



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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°	7.9	7.6	7.2	7.2	7.4	7.8	7.5	7.1	7.0	7.0	7.1
90°	9.7	9.5	9.2	8.9	8.6	8.3	7.8	7.4	7.0	6.5	5.8
92.5°	19.1	18.9	18.6	18.5	18.3	17.9	17.3	16.7	16.1	15.5	14.7
95°	34.8	34.6	34.4	34.2	34.1	33.6	33.0	32.4	31.7	31.1	30.2
97.5°	52.7	52.6	52.5	52.3	52.3	51.9	51.4	50.7	50.1	49.6	48.3
100°	66.3	66.1	65.9	65.7	65.5	65.1	64.3	63.5	62.7	61.8	60.6
102.5°	79.9	79.6	79.4	79.1	78.8	78.3	77.4	76.5	75.6	74.7	74.2
105°	100.2	100.0	99.7	99.4	99.2	98.7	98.2	97.6	97.1	96.6	96.0
107.5°	121.1	121.1	121.1	121.2	121.2	121.0	120.7	120.5	120.2	119.9	119.6
110°	136.6	136.7	136.8	136.9	137.0	136.9	136.6	136.3	136.1	135.8	135.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	151.8	151.9	152.1	152.3	152.5	152.5	152.3	152.2	152.1	151.9	151.6
115°	175.8	175.9	176.0	176.1	176.2	176.3	176.4	176.5	176.6	176.6	176.5
117.5°	199.2	199.6	200.0	200.4	200.7	200.8	200.7	200.7	200.6	200.5	200.4
120°	215.4	215.8	216.2	216.5	216.9	217.0	217.0	217.0	217.0	217.0	217.0
122.5°	231.6	231.8	232.2	232.5	232.7	232.9	233.0	233.1	233.1	233.2	233.0
125°	255.8	255.9	256.0	256.1	256.2	256.4	256.5	256.7	256.9	257.1	257.0
127.5°	279.1	279.3	279.5	279.6	279.8	280.0	280.1	280.2	280.3	280.4	280.2
130°	294.6	294.8	295.0	295.2	295.3	295.5	295.6	295.7	295.8	295.9	295.7
132.5°	309.2	309.4	309.7	310.0	310.2	310.3	310.4	310.5	310.6	310.7	310.8
135°	331.8	332.2	332.5	332.9	333.2	333.4	333.4	333.4	333.4	333.4	333.3
137.5°	353.9	354.4	354.9	355.3	355.8	356.0	355.8	355.7	355.6	355.5	355.3
140°	368.2	368.6	369.1	369.5	370.0	370.1	370.0	369.8	369.6	369.4	369.2
142.5°	381.7	382.2	382.6	383.1	383.5	383.7	383.6	383.5	383.4	383.3	383.0
145°	402.2	402.4	402.7	403.0	403.2	403.3	403.3	403.3	403.3	403.3	403.1
147.5°	419.5	420.1	420.7	421.3	422.0	422.1	422.0	421.7	421.5	421.3	421.1
150°	432.5	432.7	432.8	433.0	433.2	433.3	433.3	433.3	433.3	433.3	432.9
152.5°	443.1	443.4	443.8	444.1	444.4	444.4	444.3	444.1	443.8	443.6	443.4
155°	458.3	458.8	459.2	459.7	460.1	460.1	459.8	459.4	459.1	458.7	458.6
157.5°	471.0	471.6	472.2	472.8	473.4	473.5	473.1	472.8	472.4	472.1	472.0
160°	479.7	480.2	480.6	481.1	481.5	481.6	481.3	480.9	480.5	480.1	480.0
162.5°	487.1	487.7	488.2	488.7	489.3	489.3	488.8	488.5	488.0	487.6	487.6
165°	497.1	497.7	498.2	498.7	499.3	499.4	499.0	498.6	498.3	497.9	497.8
167.5°	505.1	505.6	506.1	506.7	507.3	507.3	506.8	506.2	505.7	505.2	505.2
170°	509.3	509.9	510.5	511.1	511.8	511.8	511.2	510.7	510.1	509.6	509.6
172.5°	512.8	513.4	513.9	514.4	515.1	515.1	514.5	514.0	513.4	512.9	512.9
175°	516.1	516.7	517.4	518.0	518.6	518.7	518.2	517.5	517.0	516.5	516.5
177.5°	518.1	518.5	519.1	519.6	520.0	520.1	519.7	519.2	518.8	518.4	518.4
180°	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3



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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°	7.3	7.1	7.3	7.1	6.8	7.9	8.6	8.7	8.4	7.9	7.6
90°	5.2	4.5	3.9	3.3	2.6	1.9	1.2	0.4	1.2	1.9	2.6
92.5°	14.0	13.2	12.4	11.8	11.3	10.8	10.3	9.8	10.3	10.8	11.3
95°	29.3	28.4	27.6	27.0	26.8	26.7	26.5	26.3	26.5	26.7	26.8
97.5°	47.1	45.8	44.6	44.0	43.9	43.8	43.7	43.6	43.7	43.8	43.9
100°	59.5	58.3	57.2	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
102.5°	73.6	73.0	72.4	72.0	71.6	71.2	70.8	70.4	70.8	71.2	71.6
105°	95.5	95.0	94.4	94.0	93.5	93.0	92.6	92.1	92.6	93.0	93.5
107.5°	119.1	118.7	118.3	117.9	117.4	117.0	116.5	116.1	116.5	117.0	117.4
110°	135.3	135.0	134.7	134.4	133.9	133.5	133.0	132.6	133.0	133.5	133.9





TEST NUMBER: P333661-940

CATALOG NUMBER: S125RDIW-S610D470U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	151.3	151.0	150.6	150.3	150.1	149.8	149.6	149.4	149.6	149.8	150.1
115°	176.3	176.1	175.9	175.7	175.3	175.0	174.5	174.2	174.5	175.0	175.3
117.5°	200.2	200.1	199.9	199.7	199.6	199.4	199.2	199.1	199.2	199.4	199.6
120°	216.9	216.8	216.7	216.4	216.0	215.5	215.1	214.6	215.1	215.5	216.0
122.5°	232.7	232.5	232.3	232.0	231.9	231.8	231.6	231.4	231.6	231.8	231.9
125°	256.9	256.8	256.7	256.4	255.8	255.3	254.8	254.2	254.8	255.3	255.8
127.5°	280.1	280.0	279.9	279.7	279.4	279.1	278.7	278.5	278.7	279.1	279.4
130°	295.5	295.3	295.2	294.8	294.4	293.9	293.5	293.0	293.5	293.9	294.4
132.5°	310.8	310.9	310.9	310.5	309.8	309.1	308.3	307.6	308.3	309.1	309.8
135°	333.2	333.1	333.1	332.8	332.3	331.7	331.2	330.6	331.2	331.7	332.3
137.5°	355.1	354.9	354.7	354.4	353.8	353.3	352.8	352.2	352.8	353.3	353.8
140°	368.9	368.6	368.4	367.9	367.5	367.0	366.6	366.1	366.6	367.0	367.5
142.5°	382.6	382.3	381.9	381.6	381.2	380.8	380.4	380.0	380.4	380.8	381.2
145°	402.8	402.5	402.3	402.0	401.6	401.3	400.9	400.6	400.9	401.3	401.6
147.5°	420.9	420.6	420.4	420.3	420.0	419.8	419.6	419.5	419.6	419.8	420.0
150°	432.6	432.2	431.9	431.7	431.8	431.9	431.9	432.0	431.9	431.9	431.8
152.5°	443.4	443.2	443.0	442.9	442.7	442.6	442.6	442.4	442.6	442.6	442.7
155°	458.5	458.4	458.3	458.3	458.3	458.3	458.3	458.3	458.3	458.3	458.3
157.5°	471.9	471.8	471.7	471.7	472.0	472.2	472.3	472.5	472.3	472.2	472.0
160°	479.9	479.8	479.7	479.8	480.1	480.4	480.7	481.0	480.7	480.4	480.1
162.5°	487.5	487.5	487.5	487.6	487.8	488.0	488.2	488.4	488.2	488.0	487.8
165°	497.8	497.7	497.6	497.6	497.8	497.9	498.1	498.3	498.1	497.9	497.8
167.5°	505.2	505.2	505.2	505.3	505.7	506.0	506.4	506.8	506.4	506.0	505.7
170°	509.6	509.6	509.6	509.8	510.1	510.5	510.9	511.2	510.9	510.5	510.1
172.5°	512.9	512.9	512.9	513.1	513.4	513.8	514.2	514.5	514.2	513.8	513.4
175°	516.5	516.5	516.5	516.7	517.0	517.4	517.7	518.2	517.7	517.4	517.0
177.5°	518.5	518.6	518.6	518.8	519.2	519.4	519.7	520.0	519.7	519.4	519.2
180°	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3



TEST NUMBER: P333661-940

CATALOG NUMBER: S125RDIW-S610D470U940-4F0-1E-UDD-A1

**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°	7.4	7.6	7.4	8.1	7.4	7.8	7.8	7.7	7.8	7.8	7.7
90°	3.3	3.9	4.5	5.2	5.8	6.5	7.0	7.4	7.8	8.3	8.6
92.5°	11.8	12.4	13.2	14.0	14.7	15.5	16.1	16.7	17.3	17.9	18.3
95°	27.0	27.6	28.4	29.3	30.2	31.1	31.7	32.4	33.0	33.6	34.1
97.5°	44.0	44.6	45.8	47.1	48.3	49.6	50.1	50.7	51.4	51.9	52.3
100°	56.6	57.2	58.3	59.5	60.6	61.8	62.7	63.5	64.3	65.1	65.5
102.5°	72.0	72.4	73.0	73.6	74.2	74.7	75.6	76.5	77.4	78.3	78.8
105°	94.0	94.4	95.0	95.5	96.0	96.6	97.1	97.6	98.2	98.7	99.2
107.5°	117.9	118.3	118.7	119.1	119.6	119.9	120.2	120.5	120.7	121.0	121.2
110°	134.4	134.7	135.0	135.3	135.5	135.8	136.1	136.3	136.6	136.9	137.0



TEST NUMBER: P333661-940

CATALOG NUMBER: S125RDIW-S610D470U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	150.3	150.6	151.0	151.3	151.6	151.9	152.1	152.2	152.3	152.5	152.5
115°	175.7	175.9	176.1	176.3	176.5	176.6	176.6	176.5	176.4	176.3	176.2
117.5°	199.7	199.9	200.1	200.2	200.4	200.5	200.6	200.7	200.7	200.8	200.7
120°	216.4	216.7	216.8	216.9	217.0	217.0	217.0	217.0	217.0	217.0	216.9
122.5°	232.0	232.3	232.5	232.7	233.0	233.2	233.1	233.1	233.0	232.9	232.7
125°	256.4	256.7	256.8	256.9	257.0	257.1	256.9	256.7	256.5	256.4	256.2
127.5°	279.7	279.9	280.0	280.1	280.2	280.4	280.3	280.2	280.1	280.0	279.8
130°	294.8	295.2	295.3	295.5	295.7	295.9	295.8	295.7	295.6	295.5	295.3
132.5°	310.5	310.9	310.9	310.8	310.8	310.7	310.6	310.5	310.4	310.3	310.2
135°	332.8	333.1	333.1	333.2	333.3	333.4	333.4	333.4	333.4	333.4	333.2
137.5°	354.4	354.7	354.9	355.1	355.3	355.5	355.6	355.7	355.8	356.0	355.8
140°	367.9	368.4	368.6	368.9	369.2	369.4	369.6	369.8	370.0	370.1	370.0
142.5°	381.6	381.9	382.3	382.6	383.0	383.3	383.4	383.5	383.6	383.7	383.5
145°	402.0	402.3	402.5	402.8	403.1	403.3	403.3	403.3	403.3	403.3	403.2
147.5°	420.3	420.4	420.6	420.9	421.1	421.3	421.5	421.7	422.0	422.1	422.0
150°	431.7	431.9	432.2	432.6	432.9	433.3	433.3	433.3	433.3	433.3	433.2
152.5°	442.9	443.0	443.2	443.4	443.4	443.6	443.8	444.1	444.3	444.4	444.4
155°	458.3	458.3	458.4	458.5	458.6	458.7	459.1	459.4	459.8	460.1	460.1
157.5°	471.7	471.7	471.8	471.9	472.0	472.1	472.4	472.8	473.1	473.5	473.4
160°	479.8	479.7	479.8	479.9	480.0	480.1	480.5	480.9	481.3	481.6	481.5
162.5°	487.6	487.5	487.5	487.5	487.6	487.6	488.0	488.5	488.8	489.3	489.3
165°	497.6	497.6	497.7	497.8	497.8	497.9	498.3	498.6	499.0	499.4	499.3
167.5°	505.3	505.2	505.2	505.2	505.2	505.2	505.7	506.2	506.8	507.3	507.3
170°	509.8	509.6	509.6	509.6	509.6	509.6	510.1	510.7	511.2	511.8	511.8
172.5°	513.1	512.9	512.9	512.9	512.9	512.9	513.4	514.0	514.5	515.1	515.1
175°	516.7	516.5	516.5	516.5	516.5	516.5	517.0	517.5	518.2	518.7	518.6
177.5°	518.8	518.6	518.6	518.5	518.4	518.4	518.8	519.2	519.7	520.1	520.0
180°	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3



TEST NUMBER: P333661-940

CATALOG NUMBER: S125RDIW-S610D470U940-4F0-1E-UDD-A1

**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°	8.0	7.8	7.8	7.9	7.8	7.8	8.0	7.7	7.8	7.8	7.7
90°	8.9	9.2	9.5	9.7	9.5	9.2	8.9	8.6	8.3	7.8	7.4
92.5°	18.5	18.6	18.9	19.1	18.9	18.6	18.5	18.3	17.9	17.3	16.7
95°	34.2	34.4	34.6	34.8	34.6	34.4	34.2	34.1	33.6	33.0	32.4
97.5°	52.3	52.5	52.6	52.7	52.6	52.5	52.3	52.3	51.9	51.4	50.7
100°	65.7	65.9	66.1	66.3	66.1	65.9	65.7	65.5	65.1	64.3	63.5
102.5°	79.1	79.4	79.6	79.9	79.6	79.4	79.1	78.8	78.3	77.4	76.5
105°	99.4	99.7	100.0	100.2	100.0	99.7	99.4	99.2	98.7	98.2	97.6
107.5°	121.2	121.1	121.1	121.1	121.1	121.1	121.2	121.2	121.0	120.7	120.5
110°	136.9	136.8	136.7	136.6	136.7	136.8	136.9	137.0	136.9	136.6	136.3



TEST NUMBER: P333661-940

CATALOG NUMBER: S125RDIW-S610D470U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	152.3	152.1	151.9	151.8	151.9	152.1	152.3	152.5	152.5	152.3	152.2
115°	176.1	176.0	175.9	175.8	175.9	176.0	176.1	176.2	176.3	176.4	176.5
117.5°	200.4	200.0	199.6	199.2	199.6	200.0	200.4	200.7	200.8	200.7	200.7
120°	216.5	216.2	215.8	215.4	215.8	216.2	216.5	216.9	217.0	217.0	217.0
122.5°	232.5	232.2	231.8	231.6	231.8	232.2	232.5	232.7	232.9	233.0	233.1
125°	256.1	256.0	255.9	255.8	255.9	256.0	256.1	256.2	256.4	256.5	256.7
127.5°	279.6	279.5	279.3	279.1	279.3	279.5	279.6	279.8	280.0	280.1	280.2
130°	295.2	295.0	294.8	294.6	294.8	295.0	295.2	295.3	295.5	295.6	295.7
132.5°	310.0	309.7	309.4	309.2	309.4	309.7	310.0	310.2	310.3	310.4	310.5
135°	332.9	332.5	332.2	331.8	332.2	332.5	332.9	333.2	333.4	333.4	333.4
137.5°	355.3	354.9	354.4	353.9	354.4	354.9	355.3	355.8	356.0	355.8	355.7
140°	369.5	369.1	368.6	368.2	368.6	369.1	369.5	370.0	370.1	370.0	369.8
142.5°	383.1	382.6	382.2	381.7	382.2	382.6	383.1	383.5	383.7	383.6	383.5
145°	403.0	402.7	402.4	402.2	402.4	402.7	403.0	403.2	403.3	403.3	403.3
147.5°	421.3	420.7	420.1	419.5	420.1	420.7	421.3	422.0	422.1	422.0	421.7
150°	433.0	432.8	432.7	432.5	432.7	432.8	433.0	433.2	433.3	433.3	433.3
152.5°	444.1	443.8	443.4	443.1	443.4	443.8	444.1	444.4	444.4	444.3	444.1
155°	459.7	459.2	458.8	458.3	458.8	459.2	459.7	460.1	460.1	459.8	459.4
157.5°	472.8	472.2	471.6	471.0	471.6	472.2	472.8	473.4	473.5	473.1	472.8
160°	481.1	480.6	480.2	479.7	480.2	480.6	481.1	481.5	481.6	481.3	480.9
162.5°	488.7	488.2	487.7	487.1	487.7	488.2	488.7	489.3	489.3	488.8	488.5
165°	498.7	498.2	497.7	497.1	497.7	498.2	498.7	499.3	499.4	499.0	498.6
167.5°	506.7	506.1	505.6	505.1	505.6	506.1	506.7	507.3	507.3	506.8	506.2
170°	511.1	510.5	509.9	509.3	509.9	510.5	511.1	511.8	511.8	511.2	510.7
172.5°	514.4	513.9	513.4	512.8	513.4	513.9	514.4	515.1	515.1	514.5	514.0
175°	518.0	517.4	516.7	516.1	516.7	517.4	518.0	518.6	518.7	518.2	517.5
177.5°	519.6	519.1	518.5	518.1	518.5	519.1	519.6	520.0	520.1	519.7	519.2
180°	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3



TEST NUMBER: P333661-940

CATALOG NUMBER: S125RDIW-S610D470U940-4F0-1E-UDD-A1

**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°	7.8	7.8	7.4	8.1	7.4	7.6	7.4	7.6	7.9	8.4	8.7
90°	7.0	6.5	5.8	5.2	4.5	3.9	3.3	2.6	1.9	1.2	0.4
92.5°	16.1	15.5	14.7	14.0	13.2	12.4	11.8	11.3	10.8	10.3	9.8
95°	31.7	31.1	30.2	29.3	28.4	27.6	27.0	26.8	26.7	26.5	26.3
97.5°	50.1	49.6	48.3	47.1	45.8	44.6	44.0	43.9	43.8	43.7	43.6
100°	62.7	61.8	60.6	59.5	58.3	57.2	56.6	56.6	56.6	56.6	56.6
102.5°	75.6	74.7	74.2	73.6	73.0	72.4	72.0	71.6	71.2	70.8	70.4
105°	97.1	96.6	96.0	95.5	95.0	94.4	94.0	93.5	93.0	92.6	92.1
107.5°	120.2	119.9	119.6	119.1	118.7	118.3	117.9	117.4	117.0	116.5	116.1
110°	136.1	135.8	135.5	135.3	135.0	134.7	134.4	133.9	133.5	133.0	132.6



TEST NUMBER: P333661-940

CATALOG NUMBER: S125RDIW-S610D470U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	152.1	151.9	151.6	151.3	151.0	150.6	150.3	150.1	149.8	149.6	149.4
115°	176.6	176.6	176.5	176.3	176.1	175.9	175.7	175.3	175.0	174.5	174.2
117.5°	200.6	200.5	200.4	200.2	200.1	199.9	199.7	199.6	199.4	199.2	199.1
120°	217.0	217.0	217.0	216.9	216.8	216.7	216.4	216.0	215.5	215.1	214.6
122.5°	233.1	233.2	233.0	232.7	232.5	232.3	232.0	231.9	231.8	231.6	231.4
125°	256.9	257.1	257.0	256.9	256.8	256.7	256.4	255.8	255.3	254.8	254.2
127.5°	280.3	280.4	280.2	280.1	280.0	279.9	279.7	279.4	279.1	278.7	278.5
130°	295.8	295.9	295.7	295.5	295.3	295.2	294.8	294.4	293.9	293.5	293.0
132.5°	310.6	310.7	310.8	310.8	310.9	310.9	310.5	309.8	309.1	308.3	307.6
135°	333.4	333.4	333.3	333.2	333.1	333.1	332.8	332.3	331.7	331.2	330.6
137.5°	355.6	355.5	355.3	355.1	354.9	354.7	354.4	353.8	353.3	352.8	352.2
140°	369.6	369.4	369.2	368.9	368.6	368.4	367.9	367.5	367.0	366.6	366.1
142.5°	383.4	383.3	383.0	382.6	382.3	381.9	381.6	381.2	380.8	380.4	380.0
145°	403.3	403.3	403.1	402.8	402.5	402.3	402.0	401.6	401.3	400.9	400.6
147.5°	421.5	421.3	421.1	420.9	420.6	420.4	420.3	420.0	419.8	419.6	419.5
150°	433.3	433.3	432.9	432.6	432.2	431.9	431.7	431.8	431.9	431.9	432.0
152.5°	443.8	443.6	443.4	443.4	443.2	443.0	442.9	442.7	442.6	442.6	442.4
155°	459.1	458.7	458.6	458.5	458.4	458.3	458.3	458.3	458.3	458.3	458.3
157.5°	472.4	472.1	472.0	471.9	471.8	471.7	471.7	472.0	472.2	472.3	472.5
160°	480.5	480.1	480.0	479.9	479.8	479.7	479.8	480.1	480.4	480.7	481.0
162.5°	488.0	487.6	487.6	487.5	487.5	487.5	487.6	487.8	488.0	488.2	488.4
165°	498.3	497.9	497.8	497.8	497.7	497.6	497.6	497.8	497.9	498.1	498.3
167.5°	505.7	505.2	505.2	505.2	505.2	505.2	505.3	505.7	506.0	506.4	506.8
170°	510.1	509.6	509.6	509.6	509.6	509.6	509.8	510.1	510.5	510.9	511.2
172.5°	513.4	512.9	512.9	512.9	512.9	512.9	513.1	513.4	513.8	514.2	514.5
175°	517.0	516.5	516.5	516.5	516.5	516.5	516.7	517.0	517.4	517.7	518.2
177.5°	518.8	518.4	518.4	518.5	518.6	518.6	518.8	519.2	519.4	519.7	520.0
180°	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3



TEST NUMBER: P333661-940

CATALOG NUMBER: S125RDIW-S610D470U940-4F0-1E-UDD-A1

**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	7.9	6.8	7.1	7.3	7.1	7.3	7.1	7.0	7.0	7.1
90°	1.2	1.9	2.6	3.3	3.9	4.5	5.2	5.8	6.5	7.0	7.4
92.5°	10.3	10.8	11.3	11.8	12.4	13.2	14.0	14.7	15.5	16.1	16.7
95°	26.5	26.7	26.8	27.0	27.6	28.4	29.3	30.2	31.1	31.7	32.4
97.5°	43.7	43.8	43.9	44.0	44.6	45.8	47.1	48.3	49.6	50.1	50.7
100°	56.6	56.6	56.6	56.6	57.2	58.3	59.5	60.6	61.8	62.7	63.5
102.5°	70.8	71.2	71.6	72.0	72.4	73.0	73.6	74.2	74.7	75.6	76.5
105°	92.6	93.0	93.5	94.0	94.4	95.0	95.5	96.0	96.6	97.1	97.6
107.5°	116.5	117.0	117.4	117.9	118.3	118.7	119.1	119.6	119.9	120.2	120.5
110°	133.0	133.5	133.9	134.4	134.7	135.0	135.3	135.5	135.8	136.1	136.3





TEST NUMBER: P333661-940

CATALOG NUMBER: S125RDIW-S610D470U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	149.6	149.8	150.1	150.3	150.6	151.0	151.3	151.6	151.9	152.1	152.2
115°	174.5	175.0	175.3	175.7	175.9	176.1	176.3	176.5	176.6	176.6	176.5
117.5°	199.2	199.4	199.6	199.7	199.9	200.1	200.2	200.4	200.5	200.6	200.7
120°	215.1	215.5	216.0	216.4	216.7	216.8	216.9	217.0	217.0	217.0	217.0
122.5°	231.6	231.8	231.9	232.0	232.3	232.5	232.7	233.0	233.2	233.1	233.1
125°	254.8	255.3	255.8	256.4	256.7	256.8	256.9	257.0	257.1	256.9	256.7
127.5°	278.7	279.1	279.4	279.7	279.9	280.0	280.1	280.2	280.4	280.3	280.2
130°	293.5	293.9	294.4	294.8	295.2	295.3	295.5	295.7	295.9	295.8	295.7
132.5°	308.3	309.1	309.8	310.5	310.9	310.9	310.8	310.8	310.7	310.6	310.5
135°	331.2	331.7	332.3	332.8	333.1	333.1	333.2	333.3	333.4	333.4	333.4
137.5°	352.8	353.3	353.8	354.4	354.7	354.9	355.1	355.3	355.5	355.6	355.7
140°	366.6	367.0	367.5	367.9	368.4	368.6	368.9	369.2	369.4	369.6	369.8
142.5°	380.4	380.8	381.2	381.6	381.9	382.3	382.6	383.0	383.3	383.4	383.5
145°	400.9	401.3	401.6	402.0	402.3	402.5	402.8	403.1	403.3	403.3	403.3
147.5°	419.6	419.8	420.0	420.3	420.4	420.6	420.9	421.1	421.3	421.5	421.7
150°	431.9	431.9	431.8	431.7	431.9	432.2	432.6	432.9	433.3	433.3	433.3
152.5°	442.6	442.6	442.7	442.9	443.0	443.2	443.4	443.4	443.6	443.8	444.1
155°	458.3	458.3	458.3	458.3	458.3	458.4	458.5	458.6	458.7	459.1	459.4
157.5°	472.3	472.2	472.0	471.7	471.7	471.8	471.9	472.0	472.1	472.4	472.8
160°	480.7	480.4	480.1	479.8	479.7	479.8	479.9	480.0	480.1	480.5	480.9
162.5°	488.2	488.0	487.8	487.6	487.5	487.5	487.5	487.6	487.6	488.0	488.5
165°	498.1	497.9	497.8	497.6	497.6	497.7	497.8	497.8	497.9	498.3	498.6
167.5°	506.4	506.0	505.7	505.3	505.2	505.2	505.2	505.2	505.2	505.7	506.2
170°	510.9	510.5	510.1	509.8	509.6	509.6	509.6	509.6	509.6	510.1	510.7
172.5°	514.2	513.8	513.4	513.1	512.9	512.9	512.9	512.9	512.9	513.4	514.0
175°	517.7	517.4	517.0	516.7	516.5	516.5	516.5	516.5	516.5	517.0	517.5
177.5°	519.7	519.4	519.2	518.8	518.6	518.6	518.5	518.4	518.4	518.8	519.2
180°	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3



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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°	7.5	7.8	7.4	7.2	7.2	7.6	7.9
90°	7.8	8.3	8.6	8.9	9.2	9.5	9.7
92.5°	17.3	17.9	18.3	18.5	18.6	18.9	19.1
95°	33.0	33.6	34.1	34.2	34.4	34.6	34.8
97.5°	51.4	51.9	52.3	52.3	52.5	52.6	52.7
100°	64.3	65.1	65.5	65.7	65.9	66.1	66.3
102.5°	77.4	78.3	78.8	79.1	79.4	79.6	79.9
105°	98.2	98.7	99.2	99.4	99.7	100.0	100.2
107.5°	120.7	121.0	121.2	121.2	121.1	121.1	121.1
110°	136.6	136.9	137.0	136.9	136.8	136.7	136.6



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	152.3	152.5	152.5	152.3	152.1	151.9	151.8
115°	176.4	176.3	176.2	176.1	176.0	175.9	175.8
117.5°	200.7	200.8	200.7	200.4	200.0	199.6	199.2
120°	217.0	217.0	216.9	216.5	216.2	215.8	215.4
122.5°	233.0	232.9	232.7	232.5	232.2	231.8	231.6
125°	256.5	256.4	256.2	256.1	256.0	255.9	255.8
127.5°	280.1	280.0	279.8	279.6	279.5	279.3	279.1
130°	295.6	295.5	295.3	295.2	295.0	294.8	294.6
132.5°	310.4	310.3	310.2	310.0	309.7	309.4	309.2
135°	333.4	333.4	333.2	332.9	332.5	332.2	331.8
137.5°	355.8	356.0	355.8	355.3	354.9	354.4	353.9
140°	370.0	370.1	370.0	369.5	369.1	368.6	368.2
142.5°	383.6	383.7	383.5	383.1	382.6	382.2	381.7
145°	403.3	403.3	403.2	403.0	402.7	402.4	402.2
147.5°	422.0	422.1	422.0	421.3	420.7	420.1	419.5
150°	433.3	433.3	433.2	433.0	432.8	432.7	432.5
152.5°	444.3	444.4	444.4	444.1	443.8	443.4	443.1
155°	459.8	460.1	460.1	459.7	459.2	458.8	458.3
157.5°	473.1	473.5	473.4	472.8	472.2	471.6	471.0
160°	481.3	481.6	481.5	481.1	480.6	480.2	479.7
162.5°	488.8	489.3	489.3	488.7	488.2	487.7	487.1
165°	499.0	499.4	499.3	498.7	498.2	497.7	497.1
167.5°	506.8	507.3	507.3	506.7	506.1	505.6	505.1
170°	511.2	511.8	511.8	511.1	510.5	509.9	509.3
172.5°	514.5	515.1	515.1	514.4	513.9	513.4	512.8
175°	518.2	518.7	518.6	518.0	517.4	516.7	516.1
177.5°	519.7	520.1	520.0	519.6	519.1	518.5	518.1
180°	519.3	519.3	519.3	519.3	519.3	519.3	519.3

(END OF REPORT)