

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: METALUX

Report Number: P290181

Luminaire Tested: **4SSRK-LC-30-L935-CD1-U**

Issue Date: 3/3/2020

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.

Test Information

Test Method: LM-79-08
Report Number: P290181
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33518)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SSRK-LC-30-L935-CD1-U
Description: 3000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH ROUND CLEAR LENS AND 90 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2683.5 lumens
Efficiency: N/A
Efficacy: 131.5 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.12 / 1.19
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Direct

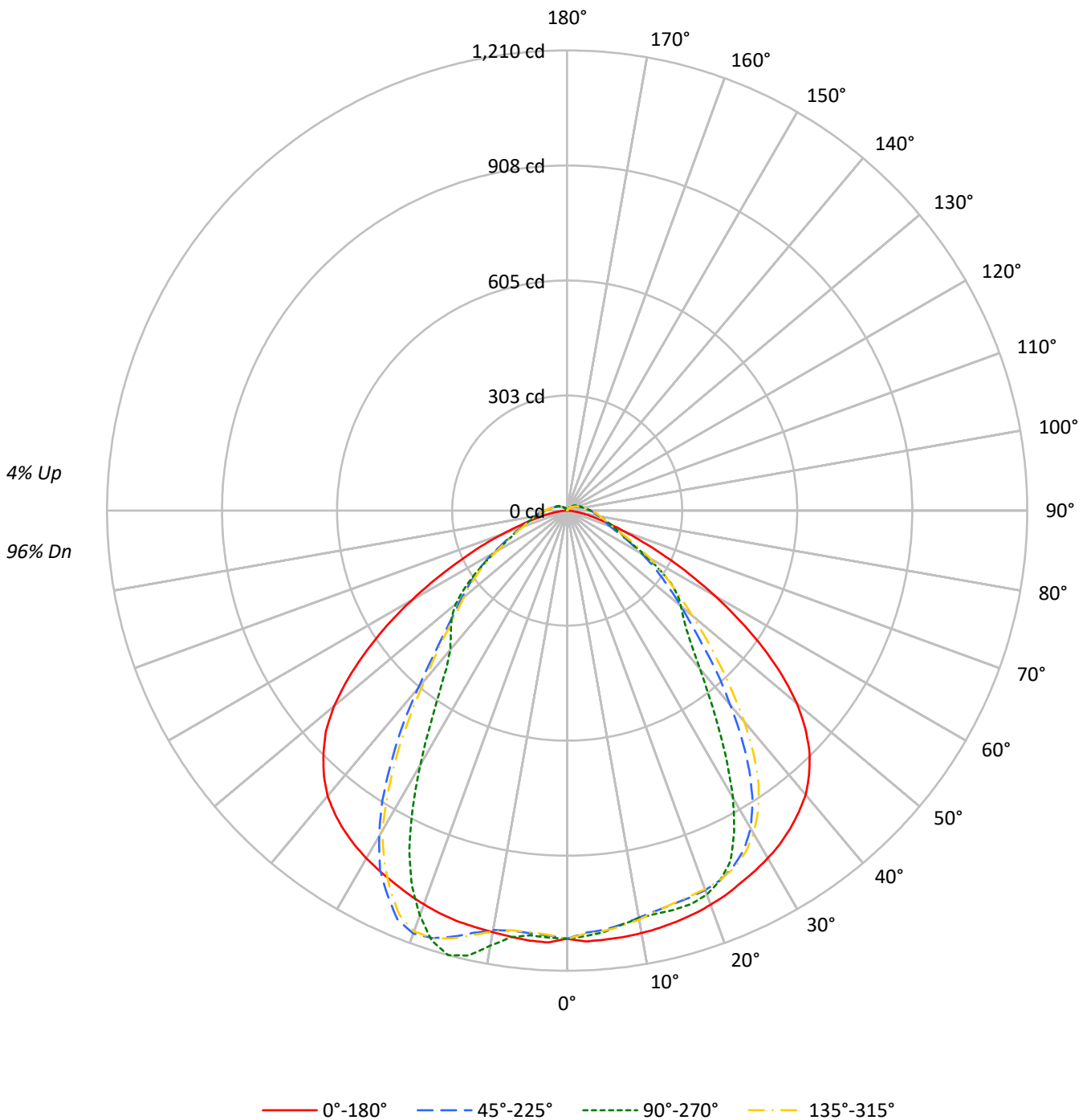
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96				
1	109	104	100	97	106	102	98	95	97	94	91	92	90	88	88	86	84	82				
2	100	93	86	81	97	90	85	80	86	82	77	82	79	75	79	76	73	71				
3	92	83	75	69	89	81	74	68	77	71	67	74	69	65	71	67	63	61				
4	85	74	66	60	83	73	65	59	70	63	58	67	61	57	64	60	56	54				
5	79	67	59	52	76	66	58	52	63	56	51	61	55	50	59	53	49	47				
6	73	61	52	46	71	60	52	46	57	51	45	55	49	45	54	48	44	42				
7	68	55	47	42	66	54	47	41	53	46	41	51	45	40	49	44	40	38				
8	64	51	43	37	62	50	42	37	48	42	37	47	41	36	45	40	36	34				
9	60	47	39	34	58	46	39	34	45	38	33	43	37	33	42	37	33	31				
10	56	43	36	31	54	43	36	31	42	35	30	40	34	30	39	34	30	28				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	72701	72701	72701	72701
5°	73159	53417	73314	53835
10°	73434	41836	73284	44674
15°	73932	35070	73892	39049
20°	74674	30070	74593	31696
25°	75514	25278	75472	24425
30°	76849	19641	76893	17401
35°	78261	14352	78483	12145
40°	79480	10499	79805	9249
45°	79070	8103	79483	7891
50°	75523	6807	76586	6655
55°	66856	5579	68525	5071
60°	54080	3884	56947	3561
65°	40050	2690	43151	2551
70°	27092	2088	30532	1997
75°	17578	1676	20472	1585
80°	11191	1369	13116	1259
85°	5521	1171	7278	1069



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.9	4.0
10°-20°	318.1	11.9
20°-30°	483.7	18.0
30°-40°	518.9	19.3
40°-50°	450.3	16.8
50°-60°	333.7	12.4
60°-70°	191.2	7.1
70°-80°	105.9	3.9
80°-90°	64.5	2.4
90°-100°	41.9	1.6
100°-110°	28.1	1.0
110°-120°	19.0	0.7
120°-130°	11.6	0.4
130°-140°	6.1	0.2
140°-150°	2.8	0.1
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	908.7	33.9
0°-40°	1427.6	53.2
0°-60°	2211.6	82.4
0°-90°	2573.2	95.9
90°-120°	89.0	3.3
90°-150°	109.5	4.1
90°-180°	110.0	4.1
0°-180°	2683.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1126	1126	1126	1126	1126	
5°	1133	1112	1135	1121	1133	108
15°	1118	1087	1118	1210	1118	316
25°	1080	1016	1080	982	1080	499
35°	1022	692	1024	586	1022	639
45°	902	444	906	432	902	690
55°	629	333	645	302	629	558
65°	286	169	308	160	286	288
75°	81	107	95	101	81	93
85°	11	74	14	67	11	15
90°	0	62	1	57	0	0
95°	1	51	0	48	1	0
105°	1	38	1	36	1	1
115°	1	31	1	28	1	1
125°	1	23	1	19	1	1
135°	1	14	1	12	1	0
145°	1	9	1	7	1	0
155°	1	4	1	4	1	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1125.7	1125.7	1125.7	1125.7	1125.7	1125.7	1125.7	1125.7	1125.7	1125.7	1125.7
2.5°	1133.8	1130.9	1129.7	1127.4	1129.2	1136.1	1131.5	1123.9	1124.5	1111.1	1118.1
5°	1132.6	1129.2	1127.4	1125.1	1126.2	1132.6	1128.0	1120.4	1119.9	1106.5	1112.9
7.5°	1130.9	1127.4	1124.5	1122.8	1123.3	1128.6	1122.8	1114.0	1112.3	1097.8	1103.6
10°	1128.0	1125.7	1121.6	1118.7	1118.1	1123.9	1114.6	1105.9	1101.8	1086.7	1092.5
12.5°	1123.9	1120.4	1116.4	1111.1	1110.6	1114.0	1106.5	1094.3	1090.2	1078.0	1084.4
15°	1118.1	1114.0	1109.4	1103.6	1100.7	1103.0	1093.7	1082.6	1082.1	1071.6	1080.3
17.5°	1111.7	1105.9	1100.7	1092.5	1088.5	1090.2	1082.6	1072.8	1073.9	1067.5	1077.4
20°	1103.0	1096.6	1088.5	1080.3	1074.5	1077.4	1072.2	1064.6	1066.4	1061.7	1070.4
22.5°	1093.1	1084.4	1074.5	1065.2	1060.5	1064.6	1060.5	1054.2	1054.7	1051.8	1057.1
25°	1080.3	1070.4	1058.8	1047.2	1044.8	1047.8	1045.4	1040.2	1037.9	1033.2	1035.5
27.5°	1068.7	1057.6	1043.1	1030.9	1026.8	1032.6	1027.4	1018.7	1012.3	1005.9	1001.2
30°	1055.3	1041.9	1025.7	1011.7	1008.2	1010.5	1003.0	989.6	972.7	964.6	951.8
32.5°	1040.8	1023.3	1003.0	987.3	985.0	983.2	969.3	950.1	923.9	907.6	887.9
35°	1021.6	1002.4	978.0	958.8	955.3	945.4	922.7	897.2	863.4	835.5	801.8
37.5°	1000.1	977.4	951.8	926.2	916.3	896.6	864.6	837.9	786.7	753.0	712.3
40°	975.7	948.3	916.9	886.1	869.8	837.9	801.2	761.7	712.3	666.9	632.6
42.5°	941.9	912.9	875.6	841.3	813.4	771.0	728.0	672.1	626.8	588.4	553.5
45°	901.8	866.9	823.9	782.6	747.2	696.6	646.0	590.2	552.4	507.6	483.8
47.5°	850.1	812.3	766.3	720.4	673.9	618.1	565.2	511.7	473.9	441.9	424.5
50°	789.0	754.1	703.5	648.9	597.7	539.6	486.7	446.5	409.9	390.1	376.8
52.5°	713.4	680.9	629.1	569.8	520.4	463.4	415.1	382.6	356.4	341.9	337.2
55°	629.1	600.6	549.5	494.2	443.6	391.3	354.7	326.2	309.3	300.6	301.2
57.5°	539.0	516.9	468.6	419.2	371.5	332.0	298.9	276.2	263.4	262.8	264.6
60°	448.9	432.6	390.7	348.3	306.4	274.4	250.0	234.3	226.2	226.8	226.2
62.5°	362.8	347.7	317.5	282.6	249.4	227.9	205.8	199.4	192.5	191.9	191.9
65°	285.5	273.9	249.4	224.4	199.4	185.5	174.4	166.9	161.6	160.5	161.1
67.5°	214.6	209.9	193.0	176.2	160.5	151.8	142.5	140.7	136.6	136.6	137.8
70°	159.9	156.4	147.1	137.2	130.8	125.0	120.4	120.4	119.8	119.2	122.1
72.5°	115.7	116.3	113.4	105.8	105.2	104.1	102.9	104.7	105.2	107.0	110.5
75°	81.4	83.1	83.1	82.0	84.3	87.2	89.0	91.9	95.4	97.7	101.8
77.5°	57.6	57.6	60.5	64.0	68.6	73.8	78.5	82.6	87.2	90.1	93.6
80°	37.2	39.0	43.6	50.0	56.4	63.4	69.8	75.0	79.7	84.3	86.6
82.5°	22.1	25.0	30.8	39.0	47.1	55.8	62.2	68.6	73.8	78.5	80.2
85°	11.0	15.1	22.1	30.8	39.5	48.8	57.0	62.8	68.6	72.7	75.0
87.5°	3.5	8.1	15.7	23.8	33.1	42.4	51.2	57.6	62.8	66.3	68.6
90°	0.0	4.1	11.0	19.8	28.5	37.8	45.9	52.9	58.1	61.1	62.8
92.5°	0.0	2.3	8.7	16.3	24.4	33.7	41.9	48.3	52.9	55.8	57.0
95°	0.6	1.7	6.4	13.4	21.5	30.2	37.8	43.6	48.3	51.2	51.7
97.5°	0.6	1.2	5.2	11.0	18.6	26.7	34.3	40.1	43.6	46.5	47.1
100°	0.6	1.2	4.1	9.9	16.3	23.8	30.8	36.0	40.1	42.4	43.0
102.5°	0.6	0.6	3.5	8.1	14.5	20.9	27.3	32.6	36.0	38.4	39.5
105°	0.6	0.6	2.9	7.0	12.8	18.6	24.4	29.7	32.6	34.9	36.0
107.5°	0.6	0.6	2.3	5.8	11.0	16.3	22.1	26.2	29.7	32.0	33.1
110°	0.6	0.6	1.7	5.2	9.3	14.5	19.2	23.3	26.7	29.1	30.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	0.6	0.6	1.7	4.7	8.1	12.8	16.9	20.9	23.8	26.2	27.9
115°	0.6	0.6	1.7	4.1	7.6	11.0	15.1	18.6	21.5	23.8	25.6
117.5°	0.6	0.6	1.7	3.5	6.4	9.9	13.4	16.9	19.2	21.5	23.3
120°	0.6	0.6	1.2	2.9	5.8	8.7	11.6	14.5	17.4	19.8	21.5
122.5°	0.6	0.6	1.2	2.9	4.7	7.6	10.5	12.8	15.7	17.4	19.2
125°	0.6	0.6	1.2	2.3	4.1	7.0	9.3	11.6	13.4	15.7	17.4
127.5°	0.6	0.6	1.2	2.3	3.5	5.8	8.1	10.5	12.2	14.0	15.1
130°	0.6	0.6	1.2	1.7	2.9	4.7	7.0	8.7	11.0	12.2	13.4
132.5°	0.6	0.6	0.6	1.7	2.3	3.5	5.2	7.6	9.3	11.0	11.6
135°	0.6	0.6	0.6	1.2	2.3	2.9	4.1	5.8	7.6	9.3	10.5
137.5°	0.6	0.6	0.6	1.2	1.7	2.9	3.5	4.7	6.4	7.6	9.3
140°	0.6	0.6	0.6	1.2	1.7	2.3	2.9	4.1	5.2	6.4	7.6
142.5°	0.6	0.6	0.6	1.2	1.2	1.7	2.3	3.5	4.1	5.2	6.4
145°	0.6	0.6	0.6	1.2	1.2	1.7	2.3	2.9	3.5	4.1	5.2
147.5°	0.6	0.6	0.6	1.2	1.2	1.2	1.7	2.3	2.9	3.5	4.1
150°	1.2	1.2	1.2	1.2	1.2	1.2	1.7	1.7	2.3	2.9	3.5
152.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.7	1.7	1.7	2.3	2.9
155°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.7	1.7	2.3	2.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1125.7	1125.7	1125.7	1125.7	1125.7	1125.7	1125.7	1125.7	1125.7	1125.7	1125.7
2.5°	1115.8	1116.9	1123.9	1123.3	1122.2	1121.0	1121.0	1119.9	1121.0	1123.9	1122.8
5°	1110.0	1111.7	1116.9	1116.4	1115.2	1114.6	1114.0	1112.3	1113.5	1117.5	1116.4
7.5°	1099.5	1101.2	1105.9	1103.6	1101.8	1103.0	1100.1	1098.3	1100.7	1104.7	1104.2
10°	1088.5	1089.6	1095.4	1094.3	1091.4	1091.9	1089.0	1087.9	1090.8	1093.1	1093.7
12.5°	1080.9	1085.0	1090.2	1089.6	1089.0	1089.6	1086.7	1085.5	1087.3	1089.6	1089.0
15°	1079.2	1084.4	1090.2	1090.2	1090.8	1091.4	1088.5	1086.7	1088.5	1090.2	1089.6
17.5°	1077.4	1083.8	1089.0	1088.5	1089.0	1090.2	1085.5	1084.4	1086.7	1089.0	1087.9
20°	1071.6	1077.4	1080.9	1079.7	1079.7	1080.3	1074.5	1074.5	1078.0	1079.7	1080.3
22.5°	1055.3	1062.3	1062.3	1059.4	1059.4	1057.1	1055.3	1051.8	1055.9	1058.8	1061.1
25°	1030.9	1033.8	1030.3	1023.9	1020.4	1017.5	1009.4	1016.4	1016.4	1025.1	1028.0
27.5°	996.6	990.2	980.3	966.9	964.0	954.7	949.5	951.2	954.1	966.4	975.7
30°	940.2	921.0	904.1	898.3	885.5	876.2	866.9	871.6	876.8	883.8	903.0
32.5°	865.8	847.2	819.8	809.9	796.6	784.9	773.9	780.9	790.2	794.8	815.8
35°	780.3	758.2	733.2	716.3	702.4	696.0	682.0	691.9	701.8	705.3	723.3
37.5°	689.6	666.9	644.8	630.3	616.9	612.8	603.5	610.5	618.1	623.3	638.4
40°	603.5	582.6	565.7	555.9	546.6	543.1	539.6	542.5	548.3	552.4	564.0
42.5°	529.7	512.8	501.2	495.4	489.0	484.3	484.9	486.1	489.0	497.7	502.9
45°	465.2	455.3	447.7	446.5	442.5	441.9	441.3	443.6	445.4	450.6	454.7
47.5°	413.4	409.3	407.6	409.9	411.7	409.3	410.5	413.4	416.9	416.9	416.3
50°	372.7	373.9	376.2	381.4	384.9	386.1	387.2	390.7	391.3	392.5	390.7
52.5°	339.6	340.7	347.1	355.3	359.3	361.1	363.4	366.9	366.9	368.1	365.7
55°	305.8	307.6	314.0	322.1	325.6	327.9	330.3	332.6	334.3	336.7	334.9
57.5°	268.6	273.9	277.9	280.3	282.6	284.3	286.1	286.7	290.1	290.7	293.6
60°	229.1	230.3	234.3	233.7	232.0	236.6	234.3	238.4	242.5	247.7	248.3
62.5°	191.3	191.9	194.8	193.6	195.9	195.4	197.1	197.1	200.0	202.3	205.2
65°	161.6	162.2	164.5	164.5	164.0	165.7	167.5	168.6	168.6	170.4	172.7
67.5°	139.5	141.3	143.6	144.8	145.9	145.9	147.7	148.3	149.4	150.0	151.2
70°	124.4	126.8	129.1	130.2	130.8	132.0	132.6	132.6	133.7	134.3	135.5
72.5°	113.4	115.7	117.5	117.5	118.6	119.2	119.2	119.8	120.4	121.5	122.7
75°	104.1	105.8	107.0	106.4	106.4	106.4	107.0	107.0	108.1	109.3	110.5
77.5°	95.4	97.1	97.1	95.9	95.9	95.9	95.9	96.5	97.1	98.3	99.4
80°	89.0	89.0	88.4	88.4	87.2	86.6	86.6	87.2	87.2	88.4	90.1
82.5°	82.0	82.0	81.4	80.8	80.2	79.7	79.7	80.2	80.8	81.4	82.6
85°	75.6	75.6	74.4	74.4	73.8	73.8	73.8	73.8	74.4	75.0	76.2
87.5°	69.2	68.6	68.0	67.4	67.4	67.4	67.4	67.4	68.0	69.2	69.8
90°	62.8	62.2	61.6	61.6	61.1	61.1	61.6	61.6	62.2	62.8	63.4
92.5°	57.0	56.4	55.8	55.8	55.2	55.2	55.8	55.2	56.4	56.4	57.0
95°	51.7	51.2	50.6	50.6	50.6	50.6	50.6	50.6	51.2	51.2	51.7
97.5°	47.1	46.5	45.9	45.9	46.5	45.9	46.5	46.5	46.5	47.1	47.7
100°	43.0	42.4	42.4	43.0	42.4	42.4	43.0	43.0	43.0	43.0	43.6
102.5°	39.5	39.5	39.5	39.5	39.5	39.5	40.1	40.1	40.1	40.1	40.7
105°	36.0	36.6	36.6	36.6	37.2	37.2	37.2	37.8	37.8	37.8	37.8
107.5°	33.7	34.3	34.3	34.9	34.9	35.5	35.5	35.5	35.5	36.0	36.0
110°	31.4	32.0	32.6	33.1	33.1	33.7	33.7	33.7	33.7	33.7	33.7



TEST NUMBER: P290181

CATALOG NUMBER: 4SSRK-LC-30-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	29.1	29.7	30.2	31.4	32.0	32.0	32.0	32.0	32.6	32.6	32.0
115°	26.7	27.9	28.5	29.7	30.2	30.2	30.8	30.8	30.8	30.8	30.2
117.5°	24.4	26.2	26.7	27.9	28.5	28.5	29.1	29.1	29.1	29.1	28.5
120°	22.7	23.8	25.0	25.6	26.2	26.7	26.7	27.3	27.3	27.3	26.7
122.5°	20.9	22.1	23.3	23.8	24.4	25.0	25.0	25.0	25.0	25.0	25.0
125°	18.6	19.8	20.9	21.5	22.1	22.7	22.7	23.3	23.3	23.3	22.7
127.5°	16.9	18.0	18.6	19.8	20.4	20.4	20.9	20.9	20.9	20.9	20.4
130°	14.5	15.7	16.9	17.4	18.0	18.0	18.6	18.6	18.6	18.6	18.6
132.5°	12.8	14.0	14.5	15.7	15.7	16.3	16.3	16.9	16.9	16.9	16.3
135°	11.6	12.2	12.8	14.0	14.0	14.5	14.5	14.5	14.5	14.5	14.5
137.5°	10.5	11.0	11.6	12.2	12.2	12.8	12.8	12.8	12.8	13.4	12.8
140°	8.7	9.9	10.5	10.5	11.0	11.0	11.0	11.6	11.6	11.6	11.0
142.5°	7.6	8.1	8.7	9.3	9.9	9.9	9.9	9.9	10.5	9.9	9.9
145°	5.8	7.0	7.6	8.1	8.7	8.7	8.7	8.7	8.7	8.7	8.7
147.5°	4.7	5.2	6.4	7.0	7.0	7.6	7.6	7.6	7.6	7.6	7.6
150°	4.1	4.1	5.2	5.8	6.4	6.4	6.4	6.4	6.4	6.4	6.4
152.5°	2.9	3.5	4.1	4.7	5.2	5.2	5.2	5.2	5.2	5.2	5.2
155°	2.9	2.9	3.5	3.5	4.1	4.1	4.1	4.1	4.7	4.1	4.1
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P290181

CATALOG NUMBER: 4SSRK-LC-30-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1125.7	1125.7	1125.7	1125.7	1125.7	1125.7	1125.7	1125.7	1125.7	1125.7	1125.7
2.5°	1121.0	1120.4	1122.8	1120.4	1108.8	1113.5	1111.7	1118.1	1118.7	1120.4	1126.2
5°	1115.2	1115.2	1118.1	1115.8	1104.7	1109.4	1108.8	1115.2	1116.4	1117.5	1123.9
7.5°	1103.6	1104.2	1108.2	1106.5	1094.9	1101.8	1101.2	1108.8	1111.1	1113.5	1119.3
10°	1092.5	1091.9	1096.6	1094.9	1083.8	1091.9	1091.4	1098.9	1102.4	1106.5	1113.5
12.5°	1086.7	1085.0	1086.7	1085.0	1072.8	1079.2	1079.7	1088.5	1092.5	1097.8	1105.9
15°	1086.7	1083.8	1083.8	1080.3	1066.4	1070.4	1071.0	1076.8	1082.1	1087.3	1097.2
17.5°	1085.5	1082.6	1082.1	1079.2	1064.0	1064.0	1063.5	1067.5	1070.4	1075.7	1086.1
20°	1079.2	1078.0	1077.4	1075.7	1061.7	1059.4	1058.2	1058.2	1060.0	1061.7	1072.2
22.5°	1062.3	1063.5	1064.6	1065.8	1054.7	1050.7	1051.2	1050.1	1048.3	1048.3	1057.1
25°	1030.9	1036.7	1041.4	1046.6	1040.2	1037.3	1040.8	1039.0	1036.1	1033.8	1041.4
27.5°	980.9	993.1	1003.0	1015.8	1016.4	1014.0	1023.3	1022.2	1021.6	1018.1	1023.9
30°	911.7	930.9	944.3	962.9	978.6	980.9	996.6	998.9	1001.2	999.5	1005.3
32.5°	828.0	854.1	876.8	905.9	921.0	934.4	956.5	965.8	975.1	978.0	984.4
35°	736.7	766.3	793.1	825.1	848.9	878.0	904.7	918.7	939.6	947.7	957.1
37.5°	650.1	678.0	704.1	736.1	774.5	804.7	837.9	869.3	897.7	909.4	923.3
40°	573.3	596.0	621.0	648.9	683.8	723.3	759.4	803.0	836.7	860.0	880.3
42.5°	515.2	526.2	547.7	572.7	600.6	640.7	677.4	726.2	766.9	800.1	833.8
45°	463.4	468.6	484.3	497.7	526.2	561.7	600.6	648.3	690.8	733.2	773.9
47.5°	419.2	425.6	433.2	441.3	461.7	491.3	525.0	568.1	610.5	659.9	706.4
50°	389.6	391.3	392.5	396.0	408.2	428.5	455.8	492.5	533.2	586.1	635.5
52.5°	363.4	363.4	359.9	358.2	362.8	375.6	391.3	417.5	459.3	508.2	560.5
55°	335.5	330.3	329.1	323.3	324.4	330.3	337.8	358.2	392.5	434.3	484.9
57.5°	296.5	294.2	294.2	291.9	287.2	290.1	291.9	306.4	330.8	366.9	411.1
60°	251.8	250.6	253.5	254.1	250.0	251.8	251.2	259.9	277.3	306.4	343.0
62.5°	207.0	212.2	212.8	215.1	212.8	212.2	215.1	222.7	231.4	253.5	282.0
65°	173.9	176.8	177.3	180.2	179.1	179.1	181.4	187.2	192.5	207.6	229.7
67.5°	152.3	151.2	151.8	153.5	151.8	151.2	152.9	156.4	160.5	169.8	185.5
70°	135.5	134.3	134.3	134.3	132.0	130.2	130.8	132.0	133.7	139.0	148.8
72.5°	122.7	122.7	120.9	119.2	117.5	116.3	115.1	114.0	113.4	115.1	120.4
75°	111.1	111.6	111.1	109.3	107.0	104.7	102.3	100.0	97.1	95.9	96.5
77.5°	100.6	101.2	101.8	101.2	98.8	95.9	92.4	89.0	84.9	80.8	78.5
80°	91.3	92.4	93.0	92.4	90.7	88.4	84.3	80.2	74.4	69.2	63.4
82.5°	83.1	84.9	85.5	85.5	84.3	82.0	77.3	72.7	66.3	59.3	51.7
85°	76.8	77.9	79.1	79.1	78.5	76.2	71.5	66.3	59.9	51.7	43.6
87.5°	70.4	70.9	72.1	73.3	72.1	69.8	65.7	59.9	53.5	45.4	36.0
90°	64.0	64.5	65.7	66.9	66.3	64.0	60.5	55.2	48.3	39.5	30.2
92.5°	57.6	58.7	59.3	59.9	60.5	58.7	55.8	50.6	43.6	34.9	26.2
95°	52.9	52.9	54.1	54.7	55.2	53.5	51.2	45.9	39.5	31.4	22.7
97.5°	48.3	48.3	49.4	49.4	50.0	48.8	46.5	41.9	35.5	27.9	19.2
100°	43.6	44.2	44.8	45.4	45.4	44.8	42.4	37.8	32.0	25.0	16.9
102.5°	40.7	40.7	41.3	41.3	41.9	40.7	38.4	34.3	28.5	22.1	14.5
105°	37.8	37.8	38.4	38.4	37.8	36.6	34.3	30.8	25.6	19.2	12.8
107.5°	35.5	35.5	35.5	35.5	34.9	33.7	31.4	27.3	22.7	17.4	11.6
110°	33.7	33.1	33.1	32.6	32.0	30.2	27.9	24.4	20.4	15.1	9.9



TEST NUMBER: P290181

CATALOG NUMBER: 4SSRK-LC-30-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	32.0	31.4	30.8	30.2	29.1	27.3	25.0	22.1	18.0	13.4	8.7
115°	30.2	29.7	29.1	27.9	26.7	25.0	22.7	19.8	15.7	11.6	7.6
117.5°	28.5	27.9	26.7	25.6	24.4	22.7	20.4	17.4	14.0	10.5	7.0
120°	26.2	25.6	25.0	23.8	22.7	20.4	18.0	15.7	12.2	9.3	5.8
122.5°	24.4	23.8	22.7	22.1	20.4	18.6	16.3	14.0	11.0	8.1	5.2
125°	22.1	21.5	20.9	19.8	18.6	16.3	14.5	12.2	9.9	7.0	4.1
127.5°	20.4	19.8	18.6	17.4	16.3	14.5	12.8	11.0	8.7	5.8	4.1
130°	18.0	17.4	16.9	15.7	14.5	12.8	11.6	9.3	7.6	5.2	3.5
132.5°	15.7	15.7	15.1	14.0	12.8	11.6	9.9	8.1	6.4	4.7	2.9
135°	14.5	14.0	13.4	12.2	11.6	9.9	8.7	7.0	5.2	4.1	2.3
137.5°	12.8	12.2	11.6	11.0	9.9	8.7	7.6	5.8	4.7	3.5	2.3
140°	11.0	10.5	10.5	9.3	8.7	7.6	6.4	5.2	4.1	2.9	1.7
142.5°	9.9	9.3	8.7	8.1	7.6	6.4	5.2	4.1	3.5	2.3	1.7
145°	8.7	8.1	7.6	7.0	6.4	5.2	4.7	3.5	2.9	2.3	1.7
147.5°	7.0	7.0	6.4	5.8	5.2	4.7	4.1	3.5	2.3	1.7	1.2
150°	5.8	5.8	5.2	4.7	4.7	4.1	3.5	2.9	2.3	1.7	1.2
152.5°	5.2	4.7	4.7	4.1	4.1	3.5	2.9	2.3	1.7	1.7	1.2
155°	4.1	4.1	4.1	3.5	3.5	2.9	2.3	2.3	1.7	1.2	1.2
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P290181

CATALOG NUMBER: 4SSRK-LC-30-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1125.7	1125.7	1125.7	1125.7	1125.7	1125.7	1125.7	1125.7	1125.7	1125.7	1125.7
2.5°	1127.4	1120.4	1126.2	1136.7	1135.6	1134.4	1133.2	1135.6	1143.1	1139.0	1132.6
5°	1125.7	1118.7	1125.1	1135.0	1134.4	1132.6	1131.5	1133.8	1141.4	1137.3	1130.3
7.5°	1122.2	1115.8	1120.4	1130.3	1130.3	1129.2	1128.0	1130.3	1137.3	1133.8	1126.8
10°	1116.4	1111.7	1116.4	1125.7	1126.2	1123.9	1122.8	1125.7	1132.6	1130.9	1125.1
12.5°	1111.7	1107.1	1112.3	1121.6	1122.2	1119.9	1118.1	1121.6	1130.9	1132.1	1130.3
15°	1105.3	1101.2	1107.6	1117.5	1117.5	1115.8	1115.8	1120.4	1133.2	1138.5	1141.4
17.5°	1096.0	1093.1	1100.7	1110.6	1111.1	1110.0	1110.6	1119.9	1136.7	1149.5	1157.6
20°	1084.4	1083.2	1091.4	1101.8	1103.6	1104.2	1107.1	1121.0	1144.3	1161.7	1169.9
22.5°	1070.4	1071.0	1080.3	1091.4	1093.7	1095.4	1101.2	1121.0	1150.1	1168.7	1172.2
25°	1054.7	1056.5	1066.4	1079.7	1082.6	1086.1	1096.0	1121.6	1151.8	1164.0	1158.2
27.5°	1037.9	1041.4	1054.2	1068.1	1071.6	1077.4	1090.2	1118.1	1143.7	1144.3	1122.8
30°	1020.4	1024.5	1039.6	1055.9	1061.7	1067.5	1083.2	1110.0	1123.9	1105.3	1067.5
32.5°	1000.7	1006.5	1021.6	1041.4	1048.3	1055.9	1071.6	1094.3	1089.0	1048.9	994.8
35°	975.7	983.8	1001.2	1024.5	1030.9	1040.8	1051.8	1057.1	1033.8	976.8	915.8
37.5°	944.8	957.1	977.4	1004.1	1011.1	1017.5	1020.4	1005.9	959.4	897.7	834.4
40°	909.4	928.0	950.1	979.7	986.7	986.7	976.2	945.4	886.7	805.9	735.5
42.5°	866.3	889.0	916.9	946.6	953.6	945.4	920.4	866.3	799.5	709.4	634.9
45°	814.0	844.3	875.6	906.5	910.0	891.9	847.2	778.5	696.0	612.3	541.3
47.5°	751.8	791.3	825.6	860.5	855.9	825.6	765.8	687.8	600.6	521.6	464.6
50°	682.0	728.5	766.9	800.1	790.2	748.3	678.0	596.6	509.9	442.5	395.4
52.5°	607.6	661.1	699.5	726.2	712.8	662.8	585.5	507.6	436.7	375.0	343.6
55°	530.3	584.3	623.9	644.8	627.4	573.3	497.1	426.2	359.3	319.2	300.6
57.5°	455.3	505.9	543.1	559.9	537.8	483.8	413.4	353.5	305.3	271.5	262.2
60°	383.2	424.5	459.9	472.7	448.9	398.9	338.4	290.7	255.3	232.0	227.3
62.5°	316.3	350.0	377.9	387.8	364.6	325.6	273.3	237.8	212.8	201.2	195.4
65°	261.1	280.8	309.3	307.6	293.6	257.6	219.2	194.2	177.9	170.4	166.9
67.5°	205.2	223.3	241.3	243.6	226.2	201.2	176.2	158.2	149.4	145.4	143.6
70°	158.7	172.1	183.2	180.2	170.9	155.2	139.5	129.7	126.2	124.4	124.4
72.5°	123.3	130.2	135.5	132.0	126.2	118.0	110.5	106.4	107.0	108.1	109.3
75°	95.4	97.1	98.3	94.8	93.6	88.4	87.8	88.4	91.9	95.4	97.1
77.5°	73.3	70.9	69.2	65.7	66.3	65.7	68.6	73.3	78.5	83.7	88.4
80°	56.4	51.2	47.1	43.6	45.4	48.3	54.1	61.1	68.0	73.8	79.7
82.5°	43.6	36.0	30.2	26.7	30.2	34.9	42.4	51.2	59.3	65.7	72.1
85°	33.7	25.0	18.0	14.5	18.0	25.0	33.1	43.0	51.7	58.7	65.1
87.5°	26.2	18.0	9.9	5.8	9.9	17.4	26.7	36.0	44.8	52.9	59.3
90°	20.9	12.2	4.7	1.2	5.2	12.2	20.9	30.2	39.0	47.7	54.1
92.5°	16.9	8.7	2.3	0.0	2.9	9.3	17.4	26.2	34.9	43.0	49.4
95°	14.0	7.0	1.7	0.0	2.3	7.0	14.0	22.7	30.8	39.0	44.2
97.5°	11.6	5.2	1.2	0.0	1.2	5.8	11.6	19.2	27.3	34.9	40.1
100°	9.9	4.7	1.2	0.0	1.2	4.7	9.9	16.9	23.8	30.8	36.0
102.5°	8.1	3.5	0.6	0.6	0.6	3.5	8.7	14.5	20.9	27.3	32.6
105°	7.6	2.9	0.6	0.6	0.6	2.9	7.6	12.8	18.6	24.4	29.1
107.5°	6.4	2.3	0.6	0.6	0.6	2.3	6.4	11.0	16.9	22.1	26.2
110°	5.2	2.3	0.6	0.6	0.6	2.3	5.2	9.9	14.5	19.2	23.3



TEST NUMBER: P290181

CATALOG NUMBER: 4SSRK-LC-30-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	4.7	1.7	0.6	0.6	0.6	1.7	4.7	8.7	12.8	17.4	20.9
115°	4.1	1.7	0.6	0.6	0.6	1.7	4.1	7.6	11.0	15.1	18.6
117.5°	3.5	1.7	0.6	0.6	0.6	1.2	3.5	6.4	9.9	13.4	16.9
120°	2.9	1.2	0.6	0.6	0.6	1.2	2.9	5.8	8.7	11.6	14.5
122.5°	2.9	1.2	0.6	0.6	0.6	1.2	2.3	4.7	7.6	9.9	12.8
125°	2.3	1.2	0.6	0.6	0.6	0.6	2.3	4.1	6.4	8.7	11.0
127.5°	2.3	1.2	0.6	0.6	0.6	0.6	1.7	3.5	5.2	7.6	9.9
130°	1.7	1.2	0.6	0.6	0.6	0.6	1.2	2.9	4.7	6.4	8.1
132.5°	1.7	1.2	0.6	0.6	0.6	0.6	1.2	2.3	3.5	5.2	7.0
135°	1.7	0.6	0.6	0.6	0.6	0.6	0.6	1.7	2.9	4.1	5.2
137.5°	1.2	0.6	0.6	0.6	0.6	0.6	0.6	1.2	2.3	2.9	4.7
140°	1.2	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.7	2.3	3.5
142.5°	1.2	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.7	2.9
145°	1.2	0.6	0.6	1.2	1.2	0.6	0.6	1.2	1.2	1.7	2.3
147.5°	1.2	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.7
150°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.7
152.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
155°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P290181

CATALOG NUMBER: 4SSRK-LC-30-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1125.7	1125.7	1125.7	1125.7	1125.7	1125.7	1125.7	1125.7	1125.7	1125.7	1125.7
2.5°	1131.5	1118.1	1125.1	1122.8	1125.1	1130.9	1130.3	1128.6	1129.7	1126.8	1123.9
5°	1129.2	1115.8	1122.8	1119.9	1122.8	1128.6	1127.4	1125.7	1127.4	1123.9	1121.0
7.5°	1126.2	1114.0	1122.2	1121.6	1126.8	1134.4	1135.0	1135.0	1139.0	1133.8	1131.5
10°	1126.2	1119.9	1130.9	1135.0	1148.3	1158.2	1159.4	1161.7	1168.7	1167.5	1161.7
12.5°	1138.5	1137.3	1153.6	1163.5	1175.7	1189.6	1197.2	1199.5	1204.2	1200.7	1198.3
15°	1154.2	1160.0	1178.0	1189.0	1202.4	1212.9	1214.6	1215.8	1219.3	1214.0	1210.0
17.5°	1175.1	1178.6	1193.1	1197.8	1206.5	1208.2	1205.9	1200.1	1200.1	1188.5	1185.0
20°	1185.0	1183.2	1189.0	1181.5	1178.0	1167.5	1157.6	1146.6	1146.0	1133.8	1132.6
22.5°	1176.3	1164.6	1152.4	1133.8	1125.7	1110.6	1097.2	1090.8	1086.7	1071.0	1066.9
25°	1145.4	1116.9	1098.9	1076.8	1057.1	1039.6	1026.8	1013.5	1000.7	987.9	982.1
27.5°	1091.9	1065.2	1036.1	1005.3	978.0	951.2	929.7	916.3	904.1	887.3	878.6
30°	1026.2	989.0	957.1	927.4	882.6	850.1	832.0	805.3	796.0	788.4	772.2
32.5°	948.9	904.1	860.5	820.4	774.5	744.2	720.4	700.6	694.8	675.1	670.4
35°	863.4	804.7	755.3	715.8	682.6	646.0	626.2	612.8	601.2	587.8	585.5
37.5°	762.8	709.9	654.1	619.2	593.1	561.7	546.6	537.3	532.0	522.1	520.4
40°	661.7	608.8	570.4	535.5	519.2	502.4	491.3	487.2	484.9	481.4	477.9
42.5°	569.8	523.3	496.0	472.7	465.7	457.6	454.7	457.0	454.7	453.5	452.9
45°	491.9	456.4	437.2	430.3	428.5	426.2	428.5	432.6	433.2	432.0	432.0
47.5°	421.0	404.1	396.0	397.1	400.0	401.8	405.8	411.1	412.2	409.3	410.5
50°	374.4	364.6	362.8	367.5	373.9	376.2	380.8	384.9	384.3	383.2	382.0
52.5°	330.8	327.9	332.6	337.2	344.2	345.4	347.1	348.9	348.3	346.0	344.8
55°	294.2	296.5	300.6	302.3	307.6	307.0	307.6	307.6	305.3	304.1	302.3
57.5°	261.1	261.6	264.0	264.6	267.5	266.3	265.7	264.6	261.1	260.5	258.7
60°	227.3	226.2	231.4	227.3	229.7	227.3	226.8	223.9	220.4	219.8	218.6
62.5°	195.4	193.0	196.5	194.8	195.9	193.6	192.5	189.0	186.1	185.5	184.9
65°	166.9	165.7	169.2	168.6	169.8	166.9	165.7	163.4	161.1	160.5	159.9
67.5°	143.0	145.9	147.7	147.7	148.8	148.3	145.4	144.8	144.2	141.9	141.9
70°	125.6	127.3	130.8	131.4	130.8	132.0	129.7	129.1	128.5	127.3	126.8
72.5°	111.6	114.0	117.5	118.0	117.5	117.5	116.3	115.7	115.7	114.0	114.0
75°	100.6	103.5	106.4	106.4	106.4	105.2	104.1	104.1	102.9	102.3	101.2
77.5°	91.3	94.8	97.1	96.5	95.9	94.8	94.8	93.0	91.3	91.3	90.1
80°	84.3	86.6	88.4	87.8	87.2	85.5	84.9	83.1	82.0	80.2	80.2
82.5°	76.8	79.7	80.8	80.2	79.1	77.3	76.8	75.6	74.4	73.8	72.7
85°	70.4	73.3	73.8	72.7	71.5	70.4	69.8	69.2	68.6	67.4	67.4
87.5°	64.0	66.9	66.9	66.3	65.1	64.5	64.0	63.4	62.8	62.2	61.6
90°	58.7	61.1	61.1	60.5	59.9	59.3	58.7	58.1	57.6	57.0	57.0
92.5°	53.5	55.8	55.8	55.2	54.7	54.1	54.1	53.5	52.9	52.3	51.7
95°	48.8	51.2	51.2	51.2	50.6	50.0	50.0	49.4	48.8	48.8	48.3
97.5°	44.2	46.5	46.5	46.5	45.9	45.4	45.4	44.8	44.8	44.8	44.2
100°	40.1	41.9	42.4	42.4	41.9	41.9	41.9	41.3	41.3	41.3	40.7
102.5°	36.0	37.8	39.0	39.0	39.0	38.4	38.4	38.4	38.4	38.4	37.8
105°	32.6	34.3	35.5	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
107.5°	29.7	31.4	32.6	33.1	33.7	33.7	34.3	34.3	34.3	34.3	34.3
110°	26.7	28.5	30.2	30.8	31.4	32.0	32.0	32.6	32.0	32.0	32.0



TEST NUMBER: P290181

CATALOG NUMBER: 4SSRK-LC-30-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	23.8	26.2	27.3	28.5	29.1	29.7	30.2	30.2	30.2	30.2	30.2
115°	21.5	23.8	25.0	26.2	27.3	27.9	27.9	28.5	28.5	28.5	27.9
117.5°	19.2	21.5	22.7	23.8	24.4	25.6	26.2	26.2	26.2	26.2	25.6
120°	17.4	19.2	20.4	21.5	22.7	23.3	23.8	23.8	23.8	23.8	23.8
122.5°	15.1	16.9	18.6	19.8	20.4	20.9	21.5	21.5	21.5	21.5	21.5
125°	13.4	15.1	16.3	17.4	18.0	19.2	19.2	19.2	19.2	19.2	19.2
127.5°	11.6	13.4	14.5	15.7	16.3	16.9	17.4	17.4	17.4	17.4	17.4
130°	9.9	11.6	12.8	14.0	14.5	15.1	15.1	15.7	15.7	15.7	15.7
132.5°	8.7	9.9	11.0	12.2	12.8	13.4	13.4	14.0	14.0	14.0	14.0
135°	7.0	8.7	9.3	10.5	11.0	11.6	11.6	12.2	12.2	12.2	12.2
137.5°	5.8	7.0	8.1	9.3	9.9	9.9	10.5	10.5	11.0	11.0	11.0
140°	4.7	5.2	7.0	7.6	8.1	8.7	9.3	9.3	9.3	9.3	9.3
142.5°	3.5	4.7	5.2	6.4	7.0	7.6	8.1	8.1	8.1	8.1	8.1
145°	2.9	3.5	4.1	5.2	5.8	6.4	7.0	7.0	7.0	7.0	7.0
147.5°	2.3	2.9	3.5	4.1	4.7	5.2	5.8	5.8	5.8	5.8	5.8
150°	1.7	2.3	2.9	2.9	3.5	4.1	4.7	5.2	5.2	5.2	5.2
152.5°	1.7	1.7	2.3	2.3	2.9	3.5	4.1	4.1	4.1	4.1	4.1
155°	1.2	1.7	1.7	1.7	2.3	2.3	2.9	3.5	3.5	3.5	3.5
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P290181

CATALOG NUMBER: 4SSRK-LC-30-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1125.7	1125.7	1125.7	1125.7	1125.7	1125.7	1125.7	1125.7	1125.7	1125.7	1125.7
2.5°	1125.7	1128.0	1126.8	1125.1	1124.5	1127.4	1124.5	1111.1	1116.4	1116.9	1121.0
5°	1123.9	1125.7	1124.5	1123.3	1121.6	1125.1	1121.6	1107.6	1112.9	1113.5	1117.5
7.5°	1135.6	1136.1	1136.1	1133.2	1128.6	1130.3	1125.7	1110.0	1112.9	1112.9	1115.8
10°	1164.6	1165.8	1167.5	1160.0	1154.2	1149.5	1143.1	1123.9	1123.3	1118.7	1118.7
12.5°	1202.4	1199.5	1196.6	1193.1	1188.5	1182.6	1173.3	1150.7	1143.1	1135.6	1128.0
15°	1213.5	1212.3	1211.7	1210.0	1207.1	1205.3	1198.3	1175.7	1164.6	1155.3	1141.9
17.5°	1184.4	1186.7	1194.3	1194.9	1198.3	1205.3	1204.2	1188.5	1178.6	1174.5	1158.2
20°	1132.1	1132.6	1141.9	1146.0	1161.1	1172.8	1181.5	1179.7	1177.4	1182.1	1169.9
22.5°	1069.3	1073.3	1083.2	1089.6	1104.2	1117.5	1131.5	1139.0	1151.3	1170.4	1168.1
25°	983.8	989.0	1003.0	1013.5	1033.8	1054.2	1072.8	1086.1	1100.7	1137.3	1149.5
27.5°	881.5	889.6	907.6	918.1	946.6	967.5	994.3	1020.4	1040.8	1082.6	1107.6
30°	773.9	780.9	800.1	814.6	839.0	867.5	901.2	938.4	972.2	1014.6	1046.0
32.5°	673.3	680.9	696.6	709.4	736.7	760.5	797.7	843.7	875.1	933.8	975.7
35°	585.5	592.5	603.5	614.6	637.3	661.7	693.7	738.4	778.5	839.6	892.5
37.5°	523.9	525.0	531.4	537.8	554.7	573.3	598.3	637.8	675.1	740.8	798.9
40°	479.7	479.7	483.2	484.9	492.5	503.5	519.2	550.0	580.9	630.9	701.8
42.5°	452.4	451.2	451.2	451.8	451.2	456.4	465.7	480.3	507.6	548.9	604.1
45°	432.0	429.7	427.9	423.9	421.5	421.5	422.1	427.4	443.1	469.8	514.6
47.5°	409.3	408.8	405.8	401.2	397.1	394.2	389.6	387.8	392.5	407.6	437.8
50°	383.2	380.3	377.4	373.9	369.2	366.3	357.6	358.2	354.1	361.1	376.8
52.5°	344.8	342.5	341.3	338.4	336.7	335.5	328.5	321.5	319.8	321.0	326.8
55°	302.3	303.5	298.9	301.2	300.6	295.4	292.5	287.2	285.5	284.9	287.8
57.5°	258.2	259.3	256.4	258.7	258.7	255.8	254.1	254.1	250.0	246.5	250.6
60°	218.0	215.7	217.5	220.4	220.4	218.6	217.5	217.5	214.6	213.4	216.3
62.5°	185.5	183.2	184.9	187.8	188.4	187.2	186.1	186.1	182.6	182.6	184.9
65°	160.5	161.1	160.5	162.8	162.8	163.4	162.2	161.1	157.0	158.7	158.2
67.5°	142.5	141.9	141.9	144.2	143.6	144.8	143.6	141.9	139.0	136.6	136.1
70°	127.3	126.8	126.8	127.9	128.5	128.5	127.9	126.8	122.7	120.4	118.6
72.5°	114.0	113.4	114.0	114.5	115.1	115.7	115.1	114.0	110.5	107.6	104.7
75°	101.8	101.2	102.9	102.9	103.5	103.5	104.1	103.5	100.6	97.1	93.6
77.5°	89.5	90.1	91.9	92.4	93.6	94.2	94.8	94.8	91.9	89.0	84.3
80°	79.7	80.8	82.0	82.6	83.7	85.5	86.1	86.6	84.3	81.4	76.2
82.5°	72.7	73.3	74.4	75.0	76.8	77.3	77.9	79.1	77.9	75.0	69.2
85°	66.9	67.4	68.6	68.6	69.8	70.9	71.5	72.1	71.5	68.6	62.8
87.5°	61.6	62.2	62.8	63.4	64.0	64.5	65.1	65.7	65.1	62.2	57.0
90°	57.0	57.0	57.6	57.6	58.1	58.7	59.9	59.9	59.3	57.0	51.7
92.5°	51.7	52.3	52.3	52.9	53.5	54.1	54.7	54.7	54.1	51.7	47.1
95°	48.3	48.3	48.8	48.8	49.4	49.4	50.0	50.0	49.4	47.1	42.4
97.5°	44.2	44.2	44.2	44.2	44.8	44.8	45.4	45.4	44.8	42.4	38.4
100°	40.7	40.7	40.7	40.7	40.7	41.3	41.3	41.3	40.7	38.4	34.3
102.5°	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	36.6	34.9	30.8
105°	36.0	36.0	36.0	35.5	35.5	35.5	34.9	34.9	33.1	31.4	27.9
107.5°	33.7	33.7	33.7	33.1	33.1	32.6	32.0	32.0	30.2	28.5	25.0
110°	32.0	32.0	32.0	31.4	30.8	30.2	29.7	29.1	27.3	25.0	22.1



TEST NUMBER: P290181

CATALOG NUMBER: 4SSRK-LC-30-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	30.2	30.2	29.7	29.7	29.1	28.5	27.3	26.7	25.0	22.7	19.8
115°	27.9	27.9	27.9	27.3	26.7	26.2	25.6	24.4	22.7	20.4	17.4
117.5°	25.6	25.6	25.6	25.0	24.4	23.8	23.3	22.1	20.4	18.0	15.7
120°	23.3	23.3	23.3	22.7	22.1	21.5	20.9	19.8	18.0	16.3	13.4
122.5°	21.5	21.5	20.9	20.4	19.8	19.2	18.6	17.4	16.3	14.0	11.6
125°	19.2	19.2	18.6	18.6	18.0	17.4	16.9	15.7	14.0	12.2	10.5
127.5°	17.4	16.9	16.9	16.9	16.3	15.7	14.5	14.0	12.2	10.5	8.7
130°	15.1	15.1	15.1	14.5	14.5	14.0	12.8	11.6	10.5	9.3	7.6
132.5°	13.4	13.4	13.4	13.4	12.8	12.2	11.0	10.5	9.3	7.6	6.4
135°	12.2	12.2	11.6	11.6	11.0	10.5	9.9	8.7	7.6	6.4	5.2
137.5°	10.5	10.5	10.5	9.9	9.9	9.3	8.1	7.6	7.0	5.8	4.7
140°	9.3	9.3	8.7	8.7	8.1	8.1	7.6	6.4	5.8	4.7	4.1
142.5°	8.1	8.1	7.6	7.6	7.0	7.0	6.4	5.8	4.7	4.1	2.9
145°	7.0	7.0	6.4	6.4	6.4	5.8	5.2	4.7	4.1	3.5	2.9
147.5°	5.8	5.8	5.8	5.2	5.2	4.7	4.7	4.1	3.5	2.9	2.3
150°	5.2	5.2	4.7	4.7	4.7	4.1	3.5	3.5	2.9	2.3	1.7
152.5°	4.1	4.1	4.1	4.1	3.5	3.5	2.9	2.9	2.3	1.7	1.7
155°	3.5	3.5	3.5	2.9	2.9	2.9	2.3	2.3	1.7	1.7	1.2
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P290181

CATALOG NUMBER: 4SSRK-LC-30-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1125.7	1125.7	1125.7	1125.7	1125.7	1125.7	1125.7
2.5°	1119.3	1118.7	1123.9	1123.3	1116.4	1126.8	1133.8
5°	1116.4	1115.8	1120.4	1121.6	1114.0	1125.1	1132.6
7.5°	1114.0	1113.5	1118.7	1120.4	1112.9	1122.8	1130.9
10°	1114.6	1111.7	1116.4	1117.5	1110.6	1121.0	1128.0
12.5°	1118.7	1111.7	1113.5	1113.5	1107.1	1116.4	1123.9
15°	1128.6	1114.0	1111.7	1110.0	1101.8	1110.6	1118.1
17.5°	1139.6	1119.9	1111.7	1105.9	1096.0	1103.6	1111.7
20°	1150.7	1126.2	1112.9	1103.6	1090.2	1097.2	1103.0
22.5°	1155.9	1132.1	1114.0	1100.1	1083.2	1086.7	1093.1
25°	1148.9	1129.7	1111.7	1094.9	1074.5	1075.1	1080.3
27.5°	1123.3	1118.1	1106.5	1089.6	1067.5	1064.6	1068.7
30°	1079.7	1094.3	1094.9	1082.6	1059.4	1053.6	1055.3
32.5°	1018.7	1051.2	1070.4	1068.1	1047.8	1039.6	1040.8
35°	948.3	989.0	1030.9	1044.8	1030.3	1023.9	1021.6
37.5°	864.0	918.7	974.5	1008.8	1006.5	1002.4	1000.1
40°	771.0	836.7	903.0	957.6	974.5	974.5	975.7
42.5°	671.6	748.3	821.0	890.2	929.7	938.4	941.9
45°	575.6	653.0	732.0	811.7	864.6	891.9	901.8
47.5°	488.4	566.3	641.3	728.5	798.9	834.4	850.1
50°	414.0	472.1	551.2	637.8	714.6	758.2	789.0
52.5°	352.4	397.7	466.9	547.7	625.0	684.9	713.4
55°	300.6	331.4	390.1	459.9	533.8	596.0	629.1
57.5°	257.0	281.4	321.5	379.7	441.9	503.5	539.0
60°	218.6	235.5	262.8	308.7	361.7	414.6	448.9
62.5°	185.5	196.5	214.6	248.3	289.6	330.8	362.8
65°	159.9	164.5	174.4	195.4	226.8	258.2	285.5
67.5°	134.9	137.8	145.4	158.2	173.9	196.5	214.6
70°	116.3	116.3	116.9	124.4	132.6	147.1	159.9
72.5°	101.2	99.4	95.9	97.7	99.4	107.6	115.7
75°	89.0	84.9	79.1	76.8	75.6	76.8	81.4
77.5°	78.5	72.7	65.7	59.9	55.2	53.5	57.6
80°	69.8	62.8	54.7	47.1	39.5	35.5	37.2
82.5°	62.8	54.1	45.4	36.6	27.9	22.1	22.1
85°	55.2	47.1	37.8	28.5	19.8	12.2	11.0
87.5°	50.0	41.3	31.4	22.7	14.0	6.4	3.5
90°	44.8	36.0	26.7	18.0	9.9	2.9	0.0
92.5°	40.1	32.0	23.3	14.5	7.0	1.7	0.0
95°	36.0	28.5	19.8	12.2	5.8	1.2	0.6
97.5°	32.0	25.0	17.4	9.9	4.1	1.2	0.6
100°	29.1	22.1	15.1	8.1	3.5	0.6	0.6
102.5°	25.6	19.8	12.8	7.0	2.9	0.6	0.6
105°	22.7	17.4	11.0	5.8	2.3	0.6	0.6
107.5°	20.4	15.1	9.9	5.2	2.3	0.6	0.6
110°	18.0	13.4	8.7	4.7	1.7	0.6	0.6



TEST NUMBER: P290181

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	16.3	11.6	7.6	4.1	1.2	0.6	0.6
115°	14.0	10.5	6.4	3.5	1.2	0.6	0.6
117.5°	12.2	8.7	5.8	2.9	1.2	0.6	0.6
120°	10.5	7.6	4.7	2.3	0.6	0.6	0.6
122.5°	9.3	6.4	4.1	2.3	0.6	0.6	0.6
125°	8.1	5.8	3.5	1.7	0.6	0.6	0.6
127.5°	7.0	4.7	2.9	1.2	0.6	0.6	0.6
130°	5.8	4.1	2.3	1.2	0.6	0.6	0.6
132.5°	4.7	3.5	2.3	1.2	0.6	0.6	0.6
135°	4.1	2.9	1.7	1.2	0.6	0.6	0.6
137.5°	3.5	2.3	1.2	1.2	1.2	0.6	0.6
140°	2.9	1.7	1.2	1.2	1.2	1.2	0.6
142.5°	2.3	1.7	1.2	1.2	1.2	1.2	0.6
145°	1.7	1.2	1.2	1.2	1.2	1.2	0.6
147.5°	1.7	1.2	1.2	1.2	1.2	1.2	0.6
150°	1.2	1.2	1.2	1.2	1.2	1.2	1.2
152.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2
155°	1.2	1.2	1.2	1.2	1.2	1.2	1.2
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)