

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: P290172

Luminaire Tested: **4SSRK-LC-20-L930-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: P290172
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-20-L930-CD1-U
Description: 2000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH ROUND CLEAR LENS AND 90 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1671.9 lumens
Efficiency: N/A
Efficacy: 122.0 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

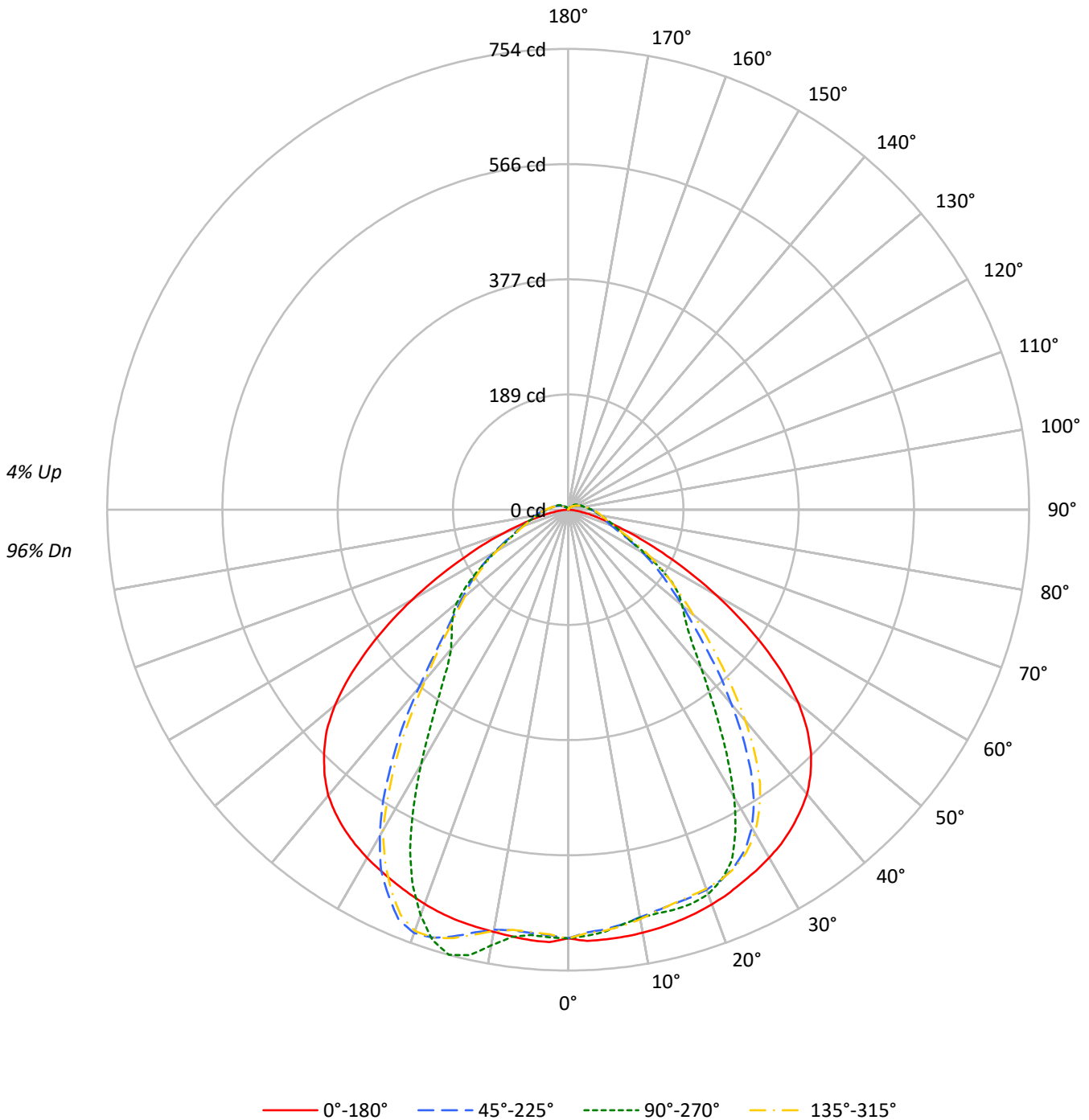
Input Watts (W): 13.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P290172

CATALOG NUMBER: 4SSRK-LC-20-L930-CD1-U

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	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°	45292	45292	45292	45292
5°	45578	33280	45675	33540
10°	45753	26066	45655	27835
15°	46061	21848	46035	24327
20°	46524	18733	46477	19746
25°	47044	15748	47023	15216
30°	47881	12236	47902	10841
35°	48760	8942	48898	7567
40°	49511	6541	49723	5763
45°	49259	5049	49513	4916
50°	47056	4241	47707	4146
55°	41648	3476	42690	3160
60°	33696	2419	35479	2219
65°	24956	1677	26878	1589
70°	16875	1301	19027	1244
75°	10949	1045	12741	987
80°	6979	853	8183	785
85°	3463	730	4568	666



TEST NUMBER: P290172

CATALOG NUMBER: 4SSRK-LC-20-L930-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.6	4.0
10°-20°	198.2	11.9
20°-30°	301.3	18.0
30°-40°	323.3	19.3
40°-50°	280.5	16.8
50°-60°	207.9	12.4
60°-70°	119.1	7.1
70°-80°	66.0	3.9
80°-90°	40.2	2.4
90°-100°	26.1	1.6
100°-110°	17.5	1.0
110°-120°	11.8	0.7
120°-130°	7.3	0.4
130°-140°	3.8	0.2
140°-150°	1.7	0.1
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	566.1	33.9
0°-40°	889.4	53.2
0°-60°	1377.9	82.4
0°-90°	1603.1	95.9
90°-120°	55.4	3.3
90°-150°	68.2	4.1
90°-180°	69.0	4.1
0°-180°	1671.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	701	701	701	701	701	
5°	706	693	707	698	706	67
15°	697	677	696	754	697	197
25°	673	633	673	612	673	311
35°	636	431	638	365	636	398
45°	562	276	565	269	562	430
55°	392	207	402	188	392	348
65°	178	105	192	100	178	179
75°	51	67	59	63	51	58
85°	7	46	9	42	7	9
90°	0	38	1	36	0	0
95°	0	32	0	30	0	0
105°	0	24	0	22	0	0
115°	0	19	0	17	0	0
125°	0	14	0	12	0	0
135°	0	9	0	8	0	0
145°	0	5	1	4	0	0
155°	1	2	1	2	1	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P290172

CATALOG NUMBER: 4SSRK-LC-20-L930-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	701.3	701.3	701.3	701.3	701.3	701.3	701.3	701.3	701.3	701.3	701.3
2.5°	706.4	704.6	703.8	702.4	703.5	707.8	704.9	700.2	700.6	692.2	696.6
5°	705.6	703.5	702.4	700.9	701.7	705.6	702.8	698.0	697.7	689.3	693.3
7.5°	704.6	702.4	700.6	699.5	699.9	703.1	699.5	694.1	693.0	683.9	687.5
10°	702.8	701.3	698.8	697.0	696.6	700.2	694.4	689.0	686.5	677.0	680.7
12.5°	700.2	698.0	695.5	692.2	691.9	694.1	689.3	681.7	679.2	671.6	675.6
15°	696.6	694.1	691.2	687.5	685.7	687.2	681.4	674.5	674.1	667.6	673.0
17.5°	692.6	689.0	685.7	680.7	678.1	679.2	674.5	668.3	669.1	665.1	671.2
20°	687.2	683.2	678.1	673.0	669.4	671.2	668.0	663.3	664.4	661.5	666.9
22.5°	681.0	675.6	669.4	663.6	660.7	663.3	660.7	656.7	657.1	655.3	658.6
25°	673.0	666.9	659.6	652.4	651.0	652.8	651.3	648.1	646.6	643.7	645.2
27.5°	665.8	658.9	649.9	642.3	639.7	643.3	640.1	634.7	630.7	626.7	623.8
30°	657.5	649.1	639.0	630.3	628.1	629.6	624.9	616.5	606.0	601.0	593.0
32.5°	648.4	637.5	624.9	615.1	613.6	612.6	603.9	591.9	575.6	565.5	553.1
35°	636.5	624.5	609.3	597.3	595.2	589.0	574.9	558.9	537.9	520.5	499.5
37.5°	623.1	608.9	593.0	577.1	570.9	558.6	538.7	522.0	490.1	469.1	443.7
40°	607.8	590.8	571.3	552.1	541.9	522.0	499.2	474.5	443.7	415.5	394.1
42.5°	586.8	568.7	545.5	524.2	506.8	480.3	453.5	418.8	390.5	366.6	344.9
45°	561.8	540.1	513.3	487.6	465.5	434.0	402.5	367.7	344.1	316.2	301.4
47.5°	529.6	506.1	477.4	448.8	419.8	385.1	352.1	318.8	295.2	275.3	264.4
50°	491.6	469.8	438.3	404.3	372.4	336.2	303.2	278.2	255.4	243.1	234.7
52.5°	444.5	424.2	391.9	355.0	324.2	288.7	258.6	238.4	222.1	213.0	210.1
55°	391.9	374.2	342.3	307.9	276.4	243.8	221.0	203.2	192.7	187.3	187.6
57.5°	335.8	322.0	292.0	261.2	231.5	206.8	186.2	172.1	164.1	163.7	164.8
60°	279.7	269.5	243.4	217.0	190.9	171.0	155.8	146.0	140.9	141.3	140.9
62.5°	226.0	216.6	197.8	176.1	155.4	142.0	128.2	124.2	119.9	119.5	119.5
65°	177.9	170.6	155.4	139.8	124.2	115.6	108.7	104.0	100.7	100.0	100.3
67.5°	133.7	130.8	120.3	109.8	100.0	94.5	88.7	87.7	85.1	85.1	85.9
70°	99.6	97.4	91.6	85.5	81.5	77.9	75.0	75.0	74.6	74.3	76.1
72.5°	72.1	72.4	70.6	65.9	65.6	64.8	64.1	65.2	65.6	66.7	68.8
75°	50.7	51.8	51.8	51.1	52.5	54.3	55.4	57.2	59.4	60.9	63.4
77.5°	35.9	35.9	37.7	39.8	42.7	46.0	48.9	51.4	54.3	56.1	58.3
80°	23.2	24.3	27.2	31.2	35.1	39.5	43.5	46.7	49.6	52.5	54.0
82.5°	13.8	15.6	19.2	24.3	29.3	34.8	38.8	42.7	46.0	48.9	50.0
85°	6.9	9.4	13.8	19.2	24.6	30.4	35.5	39.1	42.7	45.3	46.7
87.5°	2.2	5.1	9.8	14.9	20.6	26.4	31.9	35.9	39.1	41.3	42.7
90°	0.0	2.5	6.9	12.3	17.7	23.5	28.6	33.0	36.2	38.0	39.1
92.5°	0.0	1.4	5.4	10.1	15.2	21.0	26.1	30.1	33.0	34.8	35.5
95°	0.4	1.1	4.0	8.3	13.4	18.8	23.5	27.2	30.1	31.9	32.2
97.5°	0.4	0.7	3.3	6.9	11.6	16.7	21.4	25.0	27.2	29.0	29.3
100°	0.4	0.7	2.5	6.2	10.1	14.9	19.2	22.5	25.0	26.4	26.8
102.5°	0.4	0.4	2.2	5.1	9.1	13.0	17.0	20.3	22.5	23.9	24.6
105°	0.4	0.4	1.8	4.3	8.0	11.6	15.2	18.5	20.3	21.7	22.5
107.5°	0.4	0.4	1.4	3.6	6.9	10.1	13.8	16.3	18.5	19.9	20.6
110°	0.4	0.4	1.1	3.3	5.8	9.1	12.0	14.5	16.7	18.1	18.8



TEST NUMBER: P290172

CATALOG NUMBER: 4SSRK-LC-20-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	0.4	0.4	1.1	2.9	5.1	8.0	10.5	13.0	14.9	16.3	17.4
115°	0.4	0.4	1.1	2.5	4.7	6.9	9.4	11.6	13.4	14.9	15.9
117.5°	0.4	0.4	1.1	2.2	4.0	6.2	8.3	10.5	12.0	13.4	14.5
120°	0.4	0.4	0.7	1.8	3.6	5.4	7.2	9.1	10.9	12.3	13.4
122.5°	0.4	0.4	0.7	1.8	2.9	4.7	6.5	8.0	9.8	10.9	12.0
125°	0.4	0.4	0.7	1.4	2.5	4.3	5.8	7.2	8.3	9.8	10.9
127.5°	0.4	0.4	0.7	1.4	2.2	3.6	5.1	6.5	7.6	8.7	9.4
130°	0.4	0.4	0.7	1.1	1.8	2.9	4.3	5.4	6.9	7.6	8.3
132.5°	0.4	0.4	0.4	1.1	1.4	2.2	3.3	4.7	5.8	6.9	7.2
135°	0.4	0.4	0.4	0.7	1.4	1.8	2.5	3.6	4.7	5.8	6.5
137.5°	0.4	0.4	0.4	0.7	1.1	1.8	2.2	2.9	4.0	4.7	5.8
140°	0.4	0.4	0.4	0.7	1.1	1.4	1.8	2.5	3.3	4.0	4.7
142.5°	0.4	0.4	0.4	0.7	0.7	1.1	1.4	2.2	2.5	3.3	4.0
145°	0.4	0.4	0.4	0.7	0.7	1.1	1.4	1.8	2.2	2.5	3.3
147.5°	0.4	0.4	0.4	0.7	0.7	0.7	1.1	1.4	1.8	2.2	2.5
150°	0.7	0.7	0.7	0.7	0.7	0.7	1.1	1.1	1.4	1.8	2.2
152.5°	0.7	0.7	0.7	0.7	0.7	0.7	1.1	1.1	1.1	1.4	1.8
155°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.1	1.1	1.4	1.4
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: P290172

CATALOG NUMBER: 4SSRK-LC-20-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	701.3	701.3	701.3	701.3	701.3	701.3	701.3	701.3	701.3	701.3	701.3
2.5°	695.1	695.9	700.2	699.9	699.1	698.4	698.4	697.7	698.4	700.2	699.5
5°	691.5	692.6	695.9	695.5	694.8	694.4	694.1	693.0	693.7	696.2	695.5
7.5°	685.0	686.1	689.0	687.5	686.5	687.2	685.4	684.3	685.7	688.3	687.9
10°	678.1	678.8	682.5	681.7	679.9	680.3	678.5	677.8	679.6	681.0	681.4
12.5°	673.4	675.9	679.2	678.8	678.5	678.8	677.0	676.3	677.4	678.8	678.5
15°	672.3	675.6	679.2	679.2	679.6	679.9	678.1	677.0	678.1	679.2	678.8
17.5°	671.2	675.2	678.5	678.1	678.5	679.2	676.3	675.6	677.0	678.5	677.8
20°	667.6	671.2	673.4	672.7	672.7	673.0	669.4	669.4	671.6	672.7	673.0
22.5°	657.5	661.8	661.8	660.0	660.0	658.6	657.5	655.3	657.8	659.6	661.1
25°	642.3	644.1	641.9	637.9	635.7	633.9	628.9	633.2	633.2	638.6	640.4
27.5°	620.9	616.9	610.7	602.4	600.6	594.8	591.5	592.6	594.4	602.0	607.8
30°	585.7	573.8	563.3	559.7	551.7	545.9	540.1	543.0	546.3	550.6	562.6
32.5°	539.4	527.8	510.8	504.6	496.3	489.0	482.1	486.5	492.3	495.2	508.2
35°	486.1	472.4	456.8	446.3	437.6	433.6	424.9	431.1	437.2	439.4	450.6
37.5°	429.6	415.5	401.7	392.7	384.3	381.8	376.0	380.4	385.1	388.3	397.7
40°	376.0	363.0	352.5	346.3	340.5	338.3	336.2	338.0	341.6	344.1	351.4
42.5°	330.0	319.5	312.3	308.6	304.6	301.7	302.1	302.8	304.6	310.1	313.3
45°	289.8	283.6	278.9	278.2	275.7	275.3	274.9	276.4	277.5	280.7	283.3
47.5°	257.6	255.0	253.9	255.4	256.5	255.0	255.7	257.6	259.7	259.7	259.4
50°	232.2	232.9	234.4	237.6	239.8	240.5	241.3	243.4	243.8	244.5	243.4
52.5°	211.6	212.3	216.3	221.3	223.9	225.0	226.4	228.6	228.6	229.3	227.9
55°	190.5	191.6	195.6	200.7	202.9	204.3	205.8	207.2	208.3	209.7	208.7
57.5°	167.4	170.6	173.2	174.6	176.1	177.1	178.2	178.6	180.8	181.1	182.9
60°	142.7	143.4	146.0	145.6	144.5	147.4	146.0	148.5	151.1	154.3	154.7
62.5°	119.2	119.5	121.4	120.6	122.1	121.7	122.8	122.8	124.6	126.1	127.9
65°	100.7	101.1	102.5	102.5	102.2	103.2	104.3	105.1	105.1	106.1	107.6
67.5°	86.9	88.0	89.5	90.2	90.9	90.9	92.0	92.4	93.1	93.5	94.2
70°	77.5	79.0	80.4	81.1	81.5	82.2	82.6	82.6	83.3	83.7	84.4
72.5°	70.6	72.1	73.2	73.2	73.9	74.3	74.3	74.6	75.0	75.7	76.4
75°	64.8	65.9	66.7	66.3	66.3	66.3	66.7	66.7	67.4	68.1	68.8
77.5°	59.4	60.5	60.5	59.8	59.8	59.8	59.8	60.1	60.5	61.2	61.9
80°	55.4	55.4	55.1	55.1	54.3	54.0	54.0	54.3	54.3	55.1	56.1
82.5°	51.1	51.1	50.7	50.4	50.0	49.6	49.6	50.0	50.4	50.7	51.4
85°	47.1	47.1	46.4	46.4	46.0	46.0	46.0	46.0	46.4	46.7	47.5
87.5°	43.1	42.7	42.4	42.0	42.0	42.0	42.0	42.0	42.4	43.1	43.5
90°	39.1	38.8	38.4	38.4	38.0	38.0	38.4	38.4	38.8	39.1	39.5
92.5°	35.5	35.1	34.8	34.8	34.4	34.4	34.8	34.4	35.1	35.1	35.5
95°	32.2	31.9	31.5	31.5	31.5	31.5	31.5	31.5	31.9	31.9	32.2
97.5°	29.3	29.0	28.6	28.6	29.0	28.6	29.0	29.0	29.0	29.3	29.7
100°	26.8	26.4	26.4	26.8	26.4	26.4	26.8	26.8	26.8	26.8	27.2
102.5°	24.6	24.6	24.6	24.6	24.6	24.6	25.0	25.0	25.0	25.0	25.4
105°	22.5	22.8	22.8	22.8	23.2	23.2	23.2	23.5	23.5	23.5	23.5
107.5°	21.0	21.4	21.4	21.7	21.7	22.1	22.1	22.1	22.1	22.5	22.5
110°	19.6	19.9	20.3	20.6	20.6	21.0	21.0	21.0	21.0	21.0	21.0



TEST NUMBER: P290172

CATALOG NUMBER: 4SSRK-LC-20-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	18.1	18.5	18.8	19.6	19.9	19.9	19.9	19.9	20.3	20.3	19.9
115°	16.7	17.4	17.7	18.5	18.8	18.8	19.2	19.2	19.2	19.2	18.8
117.5°	15.2	16.3	16.7	17.4	17.7	17.7	18.1	18.1	18.1	18.1	17.7
120°	14.1	14.9	15.6	15.9	16.3	16.7	16.7	17.0	17.0	17.0	16.7
122.5°	13.0	13.8	14.5	14.9	15.2	15.6	15.6	15.6	15.6	15.6	15.6
125°	11.6	12.3	13.0	13.4	13.8	14.1	14.1	14.5	14.5	14.5	14.1
127.5°	10.5	11.2	11.6	12.3	12.7	12.7	13.0	13.0	13.0	13.0	12.7
130°	9.1	9.8	10.5	10.9	11.2	11.2	11.6	11.6	11.6	11.6	11.6
132.5°	8.0	8.7	9.1	9.8	9.8	10.1	10.1	10.5	10.5	10.5	10.1
135°	7.2	7.6	8.0	8.7	8.7	9.1	9.1	9.1	9.1	9.1	9.1
137.5°	6.5	6.9	7.2	7.6	7.6	8.0	8.0	8.0	8.0	8.3	8.0
140°	5.4	6.2	6.5	6.5	6.9	6.9	6.9	7.2	7.2	7.2	6.9
142.5°	4.7	5.1	5.4	5.8	6.2	6.2	6.2	6.2	6.5	6.2	6.2
145°	3.6	4.3	4.7	5.1	5.4	5.4	5.4	5.4	5.4	5.4	5.4
147.5°	2.9	3.3	4.0	4.3	4.3	4.7	4.7	4.7	4.7	4.7	4.7
150°	2.5	2.5	3.3	3.6	4.0	4.0	4.0	4.0	4.0	4.0	4.0
152.5°	1.8	2.2	2.5	2.9	3.3	3.3	3.3	3.3	3.3	3.3	3.3
155°	1.8	1.8	2.2	2.2	2.5	2.5	2.5	2.5	2.9	2.5	2.5
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: P290172

CATALOG NUMBER: 4SSRK-LC-20-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	701.3	701.3	701.3	701.3	701.3	701.3	701.3	701.3	701.3	701.3	701.3
2.5°	698.4	698.0	699.5	698.0	690.8	693.7	692.6	696.6	697.0	698.0	701.7
5°	694.8	694.8	696.6	695.1	688.3	691.2	690.8	694.8	695.5	696.2	700.2
7.5°	687.5	687.9	690.4	689.3	682.1	686.5	686.1	690.8	692.2	693.7	697.3
10°	680.7	680.3	683.2	682.1	675.2	680.3	679.9	684.6	686.8	689.3	693.7
12.5°	677.0	675.9	677.0	675.9	668.3	672.3	672.7	678.1	680.7	683.9	689.0
15°	677.0	675.2	675.2	673.0	664.4	666.9	667.3	670.9	674.1	677.4	683.6
17.5°	676.3	674.5	674.1	672.3	662.9	662.9	662.5	665.1	666.9	670.1	676.7
20°	672.3	671.6	671.2	670.1	661.5	660.0	659.3	659.3	660.4	661.5	668.0
22.5°	661.8	662.5	663.3	664.0	657.1	654.6	654.9	654.2	653.1	653.1	658.6
25°	642.3	645.9	648.8	652.0	648.1	646.2	648.4	647.3	645.5	644.1	648.8
27.5°	611.1	618.7	624.9	632.8	633.2	631.8	637.5	636.8	636.5	634.3	637.9
30°	568.0	580.0	588.3	599.9	609.7	611.1	620.9	622.3	623.8	622.7	626.3
32.5°	515.8	532.1	546.3	564.4	573.8	582.1	595.9	601.7	607.5	609.3	613.3
35°	459.0	477.4	494.1	514.0	528.9	547.0	563.7	572.3	585.4	590.5	596.3
37.5°	405.0	422.4	438.7	458.6	482.5	501.3	522.0	541.6	559.3	566.5	575.2
40°	357.2	371.3	386.9	404.3	426.0	450.6	473.1	500.3	521.3	535.8	548.4
42.5°	320.9	327.8	341.2	356.8	374.2	399.2	422.0	452.4	477.8	498.4	519.5
45°	288.7	292.0	301.7	310.1	327.8	349.9	374.2	403.9	430.3	456.8	482.1
47.5°	261.2	265.2	269.9	274.9	287.6	306.1	327.1	353.9	380.4	411.1	440.1
50°	242.7	243.8	244.5	246.7	254.3	267.0	284.0	306.8	332.2	365.1	395.9
52.5°	226.4	226.4	224.2	223.1	226.0	234.0	243.8	260.1	286.2	316.6	349.2
55°	209.0	205.8	205.0	201.4	202.1	205.8	210.5	223.1	244.5	270.6	302.1
57.5°	184.7	183.3	183.3	181.8	178.9	180.8	181.8	190.9	206.1	228.6	256.1
60°	156.9	156.1	157.9	158.3	155.8	156.9	156.5	161.9	172.8	190.9	213.7
62.5°	129.0	132.2	132.6	134.0	132.6	132.2	134.0	138.7	144.2	157.9	175.7
65°	108.3	110.1	110.5	112.3	111.6	111.6	113.0	116.6	119.9	129.3	143.1
67.5°	94.9	94.2	94.5	95.6	94.5	94.2	95.3	97.4	100.0	105.8	115.6
70°	84.4	83.7	83.7	83.7	82.2	81.1	81.5	82.2	83.3	86.6	92.7
72.5°	76.4	76.4	75.3	74.3	73.2	72.4	71.7	71.0	70.6	71.7	75.0
75°	69.2	69.6	69.2	68.1	66.7	65.2	63.8	62.3	60.5	59.8	60.1
77.5°	62.7	63.0	63.4	63.0	61.6	59.8	57.6	55.4	52.9	50.4	48.9
80°	56.9	57.6	58.0	57.6	56.5	55.1	52.5	50.0	46.4	43.1	39.5
82.5°	51.8	52.9	53.2	53.2	52.5	51.1	48.2	45.3	41.3	36.9	32.2
85°	47.8	48.5	49.3	49.3	48.9	47.5	44.6	41.3	37.3	32.2	27.2
87.5°	43.8	44.2	44.9	45.6	44.9	43.5	40.9	37.3	33.3	28.3	22.5
90°	39.8	40.2	40.9	41.7	41.3	39.8	37.7	34.4	30.1	24.6	18.8
92.5°	35.9	36.6	36.9	37.3	37.7	36.6	34.8	31.5	27.2	21.7	16.3
95°	33.0	33.0	33.7	34.1	34.4	33.3	31.9	28.6	24.6	19.6	14.1
97.5°	30.1	30.1	30.8	30.8	31.2	30.4	29.0	26.1	22.1	17.4	12.0
100°	27.2	27.5	27.9	28.3	28.3	27.9	26.4	23.5	19.9	15.6	10.5
102.5°	25.4	25.4	25.7	25.7	26.1	25.4	23.9	21.4	17.7	13.8	9.1
105°	23.5	23.5	23.9	23.9	23.5	22.8	21.4	19.2	15.9	12.0	8.0
107.5°	22.1	22.1	22.1	22.1	21.7	21.0	19.6	17.0	14.1	10.9	7.2
110°	21.0	20.6	20.6	20.3	19.9	18.8	17.4	15.2	12.7	9.4	6.2



TEST NUMBER: P290172

CATALOG NUMBER: 4SSRK-LC-20-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	19.9	19.6	19.2	18.8	18.1	17.0	15.6	13.8	11.2	8.3	5.4
115°	18.8	18.5	18.1	17.4	16.7	15.6	14.1	12.3	9.8	7.2	4.7
117.5°	17.7	17.4	16.7	15.9	15.2	14.1	12.7	10.9	8.7	6.5	4.3
120°	16.3	15.9	15.6	14.9	14.1	12.7	11.2	9.8	7.6	5.8	3.6
122.5°	15.2	14.9	14.1	13.8	12.7	11.6	10.1	8.7	6.9	5.1	3.3
125°	13.8	13.4	13.0	12.3	11.6	10.1	9.1	7.6	6.2	4.3	2.5
127.5°	12.7	12.3	11.6	10.9	10.1	9.1	8.0	6.9	5.4	3.6	2.5
130°	11.2	10.9	10.5	9.8	9.1	8.0	7.2	5.8	4.7	3.3	2.2
132.5°	9.8	9.8	9.4	8.7	8.0	7.2	6.2	5.1	4.0	2.9	1.8
135°	9.1	8.7	8.3	7.6	7.2	6.2	5.4	4.3	3.3	2.5	1.4
137.5°	8.0	7.6	7.2	6.9	6.2	5.4	4.7	3.6	2.9	2.2	1.4
140°	6.9	6.5	6.5	5.8	5.4	4.7	4.0	3.3	2.5	1.8	1.1
142.5°	6.2	5.8	5.4	5.1	4.7	4.0	3.3	2.5	2.2	1.4	1.1
145°	5.4	5.1	4.7	4.3	4.0	3.3	2.9	2.2	1.8	1.4	1.1
147.5°	4.3	4.3	4.0	3.6	3.3	2.9	2.5	2.2	1.4	1.1	0.7
150°	3.6	3.6	3.3	2.9	2.9	2.5	2.2	1.8	1.4	1.1	0.7
152.5°	3.3	2.9	2.9	2.5	2.5	2.2	1.8	1.4	1.1	1.1	0.7
155°	2.5	2.5	2.5	2.2	2.2	1.8	1.4	1.4	1.1	0.7	0.7
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: P290172

CATALOG NUMBER: 4SSRK-LC-20-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	701.3	701.3	701.3	701.3	701.3	701.3	701.3	701.3	701.3	701.3	701.3
2.5°	702.4	698.0	701.7	708.2	707.5	706.7	706.0	707.5	712.2	709.6	705.6
5°	701.3	697.0	700.9	707.1	706.7	705.6	704.9	706.4	711.1	708.5	704.2
7.5°	699.1	695.1	698.0	704.2	704.2	703.5	702.8	704.2	708.5	706.4	702.0
10°	695.5	692.6	695.5	701.3	701.7	700.2	699.5	701.3	705.6	704.6	700.9
12.5°	692.6	689.7	693.0	698.8	699.1	697.7	696.6	698.8	704.6	705.3	704.2
15°	688.6	686.1	690.1	696.2	696.2	695.1	695.1	698.0	706.0	709.3	711.1
17.5°	682.8	681.0	685.7	691.9	692.2	691.5	691.9	697.7	708.2	716.2	721.2
20°	675.6	674.9	679.9	686.5	687.5	687.9	689.7	698.4	712.9	723.8	728.8
22.5°	666.9	667.3	673.0	679.9	681.4	682.5	686.1	698.4	716.5	728.1	730.3
25°	657.1	658.2	664.4	672.7	674.5	676.7	682.8	698.8	717.6	725.2	721.6
27.5°	646.6	648.8	656.7	665.4	667.6	671.2	679.2	696.6	712.5	712.9	699.5
30°	635.7	638.3	647.7	657.8	661.5	665.1	674.9	691.5	700.2	688.6	665.1
32.5°	623.4	627.0	636.5	648.8	653.1	657.8	667.6	681.7	678.5	653.5	619.8
35°	607.8	612.9	623.8	638.3	642.3	648.4	655.3	658.6	644.1	608.6	570.5
37.5°	588.6	596.3	608.9	625.6	629.9	633.9	635.7	626.7	597.7	559.3	519.8
40°	566.5	578.1	591.9	610.4	614.7	614.7	608.2	589.0	552.4	502.1	458.2
42.5°	539.7	553.9	571.3	589.7	594.1	589.0	573.4	539.7	498.1	441.9	395.6
45°	507.1	526.0	545.5	564.7	566.9	555.7	527.8	485.0	433.6	381.4	337.2
47.5°	468.4	493.0	514.4	536.1	533.2	514.4	477.1	428.5	374.2	324.9	289.4
50°	424.9	453.9	477.8	498.4	492.3	466.2	422.4	371.7	317.7	275.7	246.3
52.5°	378.5	411.9	435.8	452.4	444.1	413.0	364.8	316.2	272.0	233.6	214.1
55°	330.4	364.1	388.7	401.7	390.9	357.2	309.7	265.5	223.9	198.9	187.3
57.5°	283.6	315.2	338.3	348.8	335.1	301.4	257.6	220.2	190.2	169.2	163.4
60°	238.7	264.4	286.5	294.5	279.7	248.5	210.8	181.1	159.0	144.5	141.6
62.5°	197.1	218.1	235.5	241.6	227.1	202.9	170.3	148.2	132.6	125.3	121.7
65°	162.6	175.0	192.7	191.6	182.9	160.5	136.6	121.0	110.8	106.1	104.0
67.5°	127.9	139.1	150.3	151.8	140.9	125.3	109.8	98.5	93.1	90.6	89.5
70°	98.9	107.2	114.1	112.3	106.5	96.7	86.9	80.8	78.6	77.5	77.5
72.5°	76.8	81.1	84.4	82.2	78.6	73.5	68.8	66.3	66.7	67.4	68.1
75°	59.4	60.5	61.2	59.0	58.3	55.1	54.7	55.1	57.2	59.4	60.5
77.5°	45.6	44.2	43.1	40.9	41.3	40.9	42.7	45.6	48.9	52.2	55.1
80°	35.1	31.9	29.3	27.2	28.3	30.1	33.7	38.0	42.4	46.0	49.6
82.5°	27.2	22.5	18.8	16.7	18.8	21.7	26.4	31.9	36.9	40.9	44.9
85°	21.0	15.6	11.2	9.1	11.2	15.6	20.6	26.8	32.2	36.6	40.6
87.5°	16.3	11.2	6.2	3.6	6.2	10.9	16.7	22.5	27.9	33.0	36.9
90°	13.0	7.6	2.9	0.7	3.3	7.6	13.0	18.8	24.3	29.7	33.7
92.5°	10.5	5.4	1.4	0.0	1.8	5.8	10.9	16.3	21.7	26.8	30.8
95°	8.7	4.3	1.1	0.0	1.4	4.3	8.7	14.1	19.2	24.3	27.5
97.5°	7.2	3.3	0.7	0.0	0.7	3.6	7.2	12.0	17.0	21.7	25.0
100°	6.2	2.9	0.7	0.0	0.7	2.9	6.2	10.5	14.9	19.2	22.5
102.5°	5.1	2.2	0.4	0.4	0.4	2.2	5.4	9.1	13.0	17.0	20.3
105°	4.7	1.8	0.4	0.4	0.4	1.8	4.7	8.0	11.6	15.2	18.1
107.5°	4.0	1.4	0.4	0.4	0.4	1.4	4.0	6.9	10.5	13.8	16.3
110°	3.3	1.4	0.4	0.4	0.4	1.4	3.3	6.2	9.1	12.0	14.5



TEST NUMBER: P290172

CATALOG NUMBER: 4SSRK-LC-20-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	2.9	1.1	0.4	0.4	0.4	1.1	2.9	5.4	8.0	10.9	13.0
115°	2.5	1.1	0.4	0.4	0.4	1.1	2.5	4.7	6.9	9.4	11.6
117.5°	2.2	1.1	0.4	0.4	0.4	0.7	2.2	4.0	6.2	8.3	10.5
120°	1.8	0.7	0.4	0.4	0.4	0.7	1.8	3.6	5.4	7.2	9.1
122.5°	1.8	0.7	0.4	0.4	0.4	0.7	1.4	2.9	4.7	6.2	8.0
125°	1.4	0.7	0.4	0.4	0.4	0.4	1.4	2.5	4.0	5.4	6.9
127.5°	1.4	0.7	0.4	0.4	0.4	0.4	1.1	2.2	3.3	4.7	6.2
130°	1.1	0.7	0.4	0.4	0.4	0.4	0.7	1.8	2.9	4.0	5.1
132.5°	1.1	0.7	0.4	0.4	0.4	0.4	0.7	1.4	2.2	3.3	4.3
135°	1.1	0.4	0.4	0.4	0.4	0.4	0.4	1.1	1.8	2.5	3.3
137.5°	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.7	1.4	1.8	2.9
140°	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.7	1.1	1.4	2.2
142.5°	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	1.1	1.8
145°	0.7	0.4	0.4	0.7	0.7	0.4	0.4	0.7	0.7	1.1	1.4
147.5°	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.7	1.1
150°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.1
152.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
155°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
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: P290172

CATALOG NUMBER: 4SSRK-LC-20-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	701.3	701.3	701.3	701.3	701.3	701.3	701.3	701.3	701.3	701.3	701.3
2.5°	704.9	696.6	700.9	699.5	700.9	704.6	704.2	703.1	703.8	702.0	700.2
5°	703.5	695.1	699.5	697.7	699.5	703.1	702.4	701.3	702.4	700.2	698.4
7.5°	701.7	694.1	699.1	698.8	702.0	706.7	707.1	707.1	709.6	706.4	704.9
10°	701.7	697.7	704.6	707.1	715.4	721.6	722.3	723.8	728.1	727.4	723.8
12.5°	709.3	708.5	718.7	724.8	732.5	741.1	745.9	747.3	750.2	748.0	746.6
15°	719.1	722.7	733.9	740.8	749.1	755.6	756.7	757.5	759.6	756.4	753.8
17.5°	732.1	734.3	743.3	746.2	751.7	752.7	751.3	747.7	747.7	740.4	738.3
20°	738.3	737.2	740.8	736.1	733.9	727.4	721.2	714.3	714.0	706.4	705.6
22.5°	732.8	725.6	718.0	706.4	701.3	691.9	683.6	679.6	677.0	667.3	664.7
25°	713.6	695.9	684.6	670.9	658.6	647.7	639.7	631.4	623.4	615.5	611.8
27.5°	680.3	663.6	645.5	626.3	609.3	592.6	579.2	570.9	563.3	552.8	547.3
30°	639.4	616.2	596.3	577.8	549.9	529.6	518.4	501.7	495.9	491.2	481.1
32.5°	591.2	563.3	536.1	511.1	482.5	463.7	448.8	436.5	432.9	420.6	417.7
35°	537.9	501.3	470.6	445.9	425.3	402.5	390.1	381.8	374.6	366.2	364.8
37.5°	475.3	442.3	407.5	385.8	369.5	349.9	340.5	334.7	331.5	325.3	324.2
40°	412.2	379.3	355.4	333.6	323.5	313.0	306.1	303.6	302.1	299.9	297.8
42.5°	355.0	326.0	309.0	294.5	290.2	285.1	283.3	284.7	283.3	282.5	282.2
45°	306.5	284.4	272.4	268.1	267.0	265.5	267.0	269.5	269.9	269.1	269.1
47.5°	262.3	251.8	246.7	247.4	249.2	250.3	252.8	256.1	256.8	255.0	255.7
50°	233.3	227.1	226.0	228.9	232.9	234.4	237.3	239.8	239.4	238.7	238.0
52.5°	206.1	204.3	207.2	210.1	214.4	215.2	216.3	217.3	217.0	215.5	214.8
55°	183.3	184.7	187.3	188.4	191.6	191.3	191.6	191.6	190.2	189.5	188.4
57.5°	162.6	163.0	164.5	164.8	166.6	165.9	165.5	164.8	162.6	162.3	161.2
60°	141.6	140.9	144.2	141.6	143.1	141.6	141.3	139.5	137.3	136.9	136.2
62.5°	121.7	120.3	122.4	121.4	122.1	120.6	119.9	117.7	115.9	115.6	115.2
65°	104.0	103.2	105.4	105.1	105.8	104.0	103.2	101.8	100.3	100.0	99.6
67.5°	89.1	90.9	92.0	92.0	92.7	92.4	90.6	90.2	89.8	88.4	88.4
70°	78.2	79.3	81.5	81.9	81.5	82.2	80.8	80.4	80.1	79.3	79.0
72.5°	69.6	71.0	73.2	73.5	73.2	73.2	72.4	72.1	72.1	71.0	71.0
75°	62.7	64.5	66.3	66.3	66.3	65.6	64.8	64.8	64.1	63.8	63.0
77.5°	56.9	59.0	60.5	60.1	59.8	59.0	59.0	58.0	56.9	56.9	56.1
80°	52.5	54.0	55.1	54.7	54.3	53.2	52.9	51.8	51.1	50.0	50.0
82.5°	47.8	49.6	50.4	50.0	49.3	48.2	47.8	47.1	46.4	46.0	45.3
85°	43.8	45.6	46.0	45.3	44.6	43.8	43.5	43.1	42.7	42.0	42.0
87.5°	39.8	41.7	41.7	41.3	40.6	40.2	39.8	39.5	39.1	38.8	38.4
90°	36.6	38.0	38.0	37.7	37.3	36.9	36.6	36.2	35.9	35.5	35.5
92.5°	33.3	34.8	34.8	34.4	34.1	33.7	33.7	33.3	33.0	32.6	32.2
95°	30.4	31.9	31.9	31.9	31.5	31.2	31.2	30.8	30.4	30.4	30.1
97.5°	27.5	29.0	29.0	29.0	28.6	28.3	28.3	27.9	27.9	27.9	27.5
100°	25.0	26.1	26.4	26.4	26.1	26.1	26.1	25.7	25.7	25.7	25.4
102.5°	22.5	23.5	24.3	24.3	24.3	23.9	23.9	23.9	23.9	23.9	23.5
105°	20.3	21.4	22.1	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
107.5°	18.5	19.6	20.3	20.6	21.0	21.0	21.4	21.4	21.4	21.4	21.4
110°	16.7	17.7	18.8	19.2	19.6	19.9	19.9	20.3	19.9	19.9	19.9



TEST NUMBER: P290172

CATALOG NUMBER: 4SSRK-LC-20-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	14.9	16.3	17.0	17.7	18.1	18.5	18.8	18.8	18.8	18.8	18.8
115°	13.4	14.9	15.6	16.3	17.0	17.4	17.4	17.7	17.7	17.7	17.4
117.5°	12.0	13.4	14.1	14.9	15.2	15.9	16.3	16.3	16.3	16.3	15.9
120°	10.9	12.0	12.7	13.4	14.1	14.5	14.9	14.9	14.9	14.9	14.9
122.5°	9.4	10.5	11.6	12.3	12.7	13.0	13.4	13.4	13.4	13.4	13.4
125°	8.3	9.4	10.1	10.9	11.2	12.0	12.0	12.0	12.0	12.0	12.0
127.5°	7.2	8.3	9.1	9.8	10.1	10.5	10.9	10.9	10.9	10.9	10.9
130°	6.2	7.2	8.0	8.7	9.1	9.4	9.4	9.8	9.8	9.8	9.8
132.5°	5.4	6.2	6.9	7.6	8.0	8.3	8.3	8.7	8.7	8.7	8.7
135°	4.3	5.4	5.8	6.5	6.9	7.2	7.2	7.6	7.6	7.6	7.6
137.5°	3.6	4.3	5.1	5.8	6.2	6.2	6.5	6.5	6.9	6.9	6.9
140°	2.9	3.3	4.3	4.7	5.1	5.4	5.8	5.8	5.8	5.8	5.8
142.5°	2.2	2.9	3.3	4.0	4.3	4.7	5.1	5.1	5.1	5.1	5.1
145°	1.8	2.2	2.5	3.3	3.6	4.0	4.3	4.3	4.3	4.3	4.3
147.5°	1.4	1.8	2.2	2.5	2.9	3.3	3.6	3.6	3.6	3.6	3.6
150°	1.1	1.4	1.8	1.8	2.2	2.5	2.9	3.3	3.3	3.3	3.3
152.5°	1.1	1.1	1.4	1.4	1.8	2.2	2.5	2.5	2.5	2.5	2.5
155°	0.7	1.1	1.1	1.1	1.4	1.4	1.8	2.2	2.2	2.2	2.2
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: P290172

CATALOG NUMBER: 4SSRK-LC-20-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	701.3	701.3	701.3	701.3	701.3	701.3	701.3	701.3	701.3	701.3	701.3
2.5°	701.3	702.8	702.0	700.9	700.6	702.4	700.6	692.2	695.5	695.9	698.4
5°	700.2	701.3	700.6	699.9	698.8	700.9	698.8	690.1	693.3	693.7	696.2
7.5°	707.5	707.8	707.8	706.0	703.1	704.2	701.3	691.5	693.3	693.3	695.1
10°	725.6	726.3	727.4	722.7	719.1	716.2	712.2	700.2	699.9	697.0	697.0
12.5°	749.1	747.3	745.5	743.3	740.4	736.8	731.0	716.9	712.2	707.5	702.8
15°	756.0	755.3	754.9	753.8	752.0	750.9	746.6	732.5	725.6	719.8	711.4
17.5°	737.9	739.3	744.0	744.4	746.6	750.9	750.2	740.4	734.3	731.7	721.6
20°	705.3	705.6	711.4	714.0	723.4	730.6	736.1	735.0	733.5	736.4	728.8
22.5°	666.2	668.7	674.9	678.8	687.9	696.2	704.9	709.6	717.2	729.2	727.7
25°	612.9	616.2	624.9	631.4	644.1	656.7	668.3	676.7	685.7	708.5	716.2
27.5°	549.2	554.2	565.5	572.0	589.7	602.8	619.4	635.7	648.4	674.5	690.1
30°	482.1	486.5	498.4	507.5	522.7	540.5	561.5	584.7	605.7	632.1	651.7
32.5°	419.5	424.2	434.0	441.9	459.0	473.8	497.0	525.6	545.2	581.8	607.8
35°	364.8	369.1	376.0	382.9	397.0	412.2	432.2	460.0	485.0	523.1	556.0
37.5°	326.4	327.1	331.1	335.1	345.6	357.2	372.7	397.4	420.6	461.5	497.7
40°	298.9	298.9	301.0	302.1	306.8	313.7	323.5	342.7	361.9	393.0	437.2
42.5°	281.8	281.1	281.1	281.5	281.1	284.4	290.2	299.2	316.2	342.0	376.4
45°	269.1	267.7	266.6	264.1	262.6	262.6	263.0	266.2	276.0	292.7	320.6
47.5°	255.0	254.7	252.8	249.9	247.4	245.6	242.7	241.6	244.5	253.9	272.8
50°	238.7	236.9	235.1	232.9	230.0	228.2	222.8	223.1	220.6	225.0	234.7
52.5°	214.8	213.4	212.6	210.8	209.7	209.0	204.7	200.3	199.2	200.0	203.6
55°	188.4	189.1	186.2	187.6	187.3	184.0	182.2	178.9	177.9	177.5	179.3
57.5°	160.8	161.6	159.7	161.2	161.2	159.4	158.3	158.3	155.8	153.6	156.1
60°	135.8	134.4	135.5	137.3	137.3	136.2	135.5	135.5	133.7	132.9	134.8
62.5°	115.6	114.1	115.2	117.0	117.4	116.6	115.9	115.9	113.7	113.7	115.2
65°	100.0	100.3	100.0	101.4	101.4	101.8	101.1	100.3	97.8	98.9	98.5
67.5°	88.7	88.4	88.4	89.8	89.5	90.2	89.5	88.4	86.6	85.1	84.8
70°	79.3	79.0	79.0	79.7	80.1	80.1	79.7	79.0	76.4	75.0	73.9
72.5°	71.0	70.6	71.0	71.4	71.7	72.1	71.7	71.0	68.8	67.0	65.2
75°	63.4	63.0	64.1	64.1	64.5	64.5	64.8	64.5	62.7	60.5	58.3
77.5°	55.8	56.1	57.2	57.6	58.3	58.7	59.0	59.0	57.2	55.4	52.5
80°	49.6	50.4	51.1	51.4	52.2	53.2	53.6	54.0	52.5	50.7	47.5
82.5°	45.3	45.6	46.4	46.7	47.8	48.2	48.5	49.3	48.5	46.7	43.1
85°	41.7	42.0	42.7	42.7	43.5	44.2	44.6	44.9	44.6	42.7	39.1
87.5°	38.4	38.8	39.1	39.5	39.8	40.2	40.6	40.9	40.6	38.8	35.5
90°	35.5	35.5	35.9	35.9	36.2	36.6	37.3	37.3	36.9	35.5	32.2
92.5°	32.2	32.6	32.6	33.0	33.3	33.7	34.1	34.1	33.7	32.2	29.3
95°	30.1	30.1	30.4	30.4	30.8	30.8	31.2	31.2	30.8	29.3	26.4
97.5°	27.5	27.5	27.5	27.5	27.9	27.9	28.3	28.3	27.9	26.4	23.9
100°	25.4	25.4	25.4	25.4	25.4	25.7	25.7	25.7	25.4	23.9	21.4
102.5°	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	22.8	21.7	19.2
105°	22.5	22.5	22.5	22.1	22.1	22.1	21.7	21.7	20.6	19.6	17.4
107.5°	21.0	21.0	21.0	20.6	20.6	20.3	19.9	19.9	18.8	17.7	15.6
110°	19.9	19.9	19.9	19.6	19.2	18.8	18.5	18.1	17.0	15.6	13.8



TEST NUMBER: P290172

CATALOG NUMBER: 4SSRK-LC-20-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	18.8	18.8	18.5	18.5	18.1	17.7	17.0	16.7	15.6	14.1	12.3
115°	17.4	17.4	17.4	17.0	16.7	16.3	15.9	15.2	14.1	12.7	10.9
117.5°	15.9	15.9	15.9	15.6	15.2	14.9	14.5	13.8	12.7	11.2	9.8
120°	14.5	14.5	14.5	14.1	13.8	13.4	13.0	12.3	11.2	10.1	8.3
122.5°	13.4	13.4	13.0	12.7	12.3	12.0	11.6	10.9	10.1	8.7	7.2
125°	12.0	12.0	11.6	11.6	11.2	10.9	10.5	9.8	8.7	7.6	6.5
127.5°	10.9	10.5	10.5	10.5	10.1	9.8	9.1	8.7	7.6	6.5	5.4
130°	9.4	9.4	9.4	9.1	9.1	8.7	8.0	7.2	6.5	5.8	4.7
132.5°	8.3	8.3	8.3	8.3	8.0	7.6	6.9	6.5	5.8	4.7	4.0
135°	7.6	7.6	7.2	7.2	6.9	6.5	6.2	5.4	4.7	4.0	3.3
137.5°	6.5	6.5	6.5	6.2	6.2	5.8	5.1	4.7	4.3	3.6	2.9
140°	5.8	5.8	5.4	5.4	5.1	5.1	4.7	4.0	3.6	2.9	2.5
142.5°	5.1	5.1	4.7	4.7	4.3	4.3	4.0	3.6	2.9	2.5	1.8
145°	4.3	4.3	4.0	4.0	4.0	3.6	3.3	2.9	2.5	2.2	1.8
147.5°	3.6	3.6	3.6	3.3	3.3	2.9	2.9	2.5	2.2	1.8	1.4
150°	3.3	3.3	2.9	2.9	2.9	2.5	2.2	2.2	1.8	1.4	1.1
152.5°	2.5	2.5	2.5	2.5	2.2	2.2	1.8	1.8	1.4	1.1	1.1
155°	2.2	2.2	2.2	1.8	1.8	1.8	1.4	1.4	1.1	1.1	0.7
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: P290172

CATALOG NUMBER: 4SSRK-LC-20-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	701.3	701.3	701.3	701.3	701.3	701.3	701.3
2.5°	697.3	697.0	700.2	699.9	695.5	702.0	706.4
5°	695.5	695.1	698.0	698.8	694.1	700.9	705.6
7.5°	694.1	693.7	697.0	698.0	693.3	699.5	704.6
10°	694.4	692.6	695.5	696.2	691.9	698.4	702.8
12.5°	697.0	692.6	693.7	693.7	689.7	695.5	700.2
15°	703.1	694.1	692.6	691.5	686.5	691.9	696.6
17.5°	710.0	697.7	692.6	689.0	682.8	687.5	692.6
20°	716.9	701.7	693.3	687.5	679.2	683.6	687.2
22.5°	720.1	705.3	694.1	685.4	674.9	677.0	681.0
25°	715.8	703.8	692.6	682.1	669.4	669.8	673.0
27.5°	699.9	696.6	689.3	678.8	665.1	663.3	665.8
30°	672.7	681.7	682.1	674.5	660.0	656.4	657.5
32.5°	634.7	654.9	666.9	665.4	652.8	647.7	648.4
35°	590.8	616.2	642.3	651.0	641.9	637.9	636.5
37.5°	538.3	572.3	607.1	628.5	627.0	624.5	623.1
40°	480.3	521.3	562.6	596.6	607.1	607.1	607.8
42.5°	418.4	466.2	511.5	554.6	579.2	584.7	586.8
45°	358.6	406.8	456.1	505.7	538.7	555.7	561.8
47.5°	304.3	352.8	399.6	453.9	497.7	519.8	529.6
50°	257.9	294.1	343.4	397.4	445.2	472.4	491.6
52.5°	219.5	247.8	290.9	341.2	389.4	426.7	444.5
55°	187.3	206.5	243.1	286.5	332.5	371.3	391.9
57.5°	160.1	175.3	200.3	236.5	275.3	313.7	335.8
60°	136.2	146.7	163.7	192.4	225.3	258.3	279.7
62.5°	115.6	122.4	133.7	154.7	180.4	206.1	226.0
65°	99.6	102.5	108.7	121.7	141.3	160.8	177.9
67.5°	84.0	85.9	90.6	98.5	108.3	122.4	133.7
70°	72.4	72.4	72.8	77.5	82.6	91.6	99.6
72.5°	63.0	61.9	59.8	60.9	61.9	67.0	72.1
75°	55.4	52.9	49.3	47.8	47.1	47.8	50.7
77.5°	48.9	45.3	40.9	37.3	34.4	33.3	35.9
80°	43.5	39.1	34.1	29.3	24.6	22.1	23.2
82.5°	39.1	33.7	28.3	22.8	17.4	13.8	13.8
85°	34.4	29.3	23.5	17.7	12.3	7.6	6.9
87.5°	31.2	25.7	19.6	14.1	8.7	4.0	2.2
90°	27.9	22.5	16.7	11.2	6.2	1.8	0.0
92.5°	25.0	19.9	14.5	9.1	4.3	1.1	0.0
95°	22.5	17.7	12.3	7.6	3.6	0.7	0.4
97.5°	19.9	15.6	10.9	6.2	2.5	0.7	0.4
100°	18.1	13.8	9.4	5.1	2.2	0.4	0.4
102.5°	15.9	12.3	8.0	4.3	1.8	0.4	0.4
105°	14.1	10.9	6.9	3.6	1.4	0.4	0.4
107.5°	12.7	9.4	6.2	3.3	1.4	0.4	0.4
110°	11.2	8.3	5.4	2.9	1.1	0.4	0.4



TEST NUMBER: P290172

CATALOG NUMBER: 4SSRK-LC-20-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	10.1	7.2	4.7	2.5	0.7	0.4	0.4
115°	8.7	6.5	4.0	2.2	0.7	0.4	0.4
117.5°	7.6	5.4	3.6	1.8	0.7	0.4	0.4
120°	6.5	4.7	2.9	1.4	0.4	0.4	0.4
122.5°	5.8	4.0	2.5	1.4	0.4	0.4	0.4
125°	5.1	3.6	2.2	1.1	0.4	0.4	0.4
127.5°	4.3	2.9	1.8	0.7	0.4	0.4	0.4
130°	3.6	2.5	1.4	0.7	0.4	0.4	0.4
132.5°	2.9	2.2	1.4	0.7	0.4	0.4	0.4
135°	2.5	1.8	1.1	0.7	0.4	0.4	0.4
137.5°	2.2	1.4	0.7	0.7	0.7	0.4	0.4
140°	1.8	1.1	0.7	0.7	0.7	0.7	0.4
142.5°	1.4	1.1	0.7	0.7	0.7	0.7	0.4
145°	1.1	0.7	0.7	0.7	0.7	0.7	0.4
147.5°	1.1	0.7	0.7	0.7	0.7	0.7	0.4
150°	0.7	0.7	0.7	0.7	0.7	0.7	0.7
152.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7
155°	0.7	0.7	0.7	0.7	0.7	0.7	0.7
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)