

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: P290176

Luminaire Tested: **4SSRK-LC-20-L830-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: P290176
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-L830-CD1-U
Description: 2000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH ROUND CLEAR LENS AND 80 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2076.6 lumens
Efficiency: N/A
Efficacy: 151.6 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

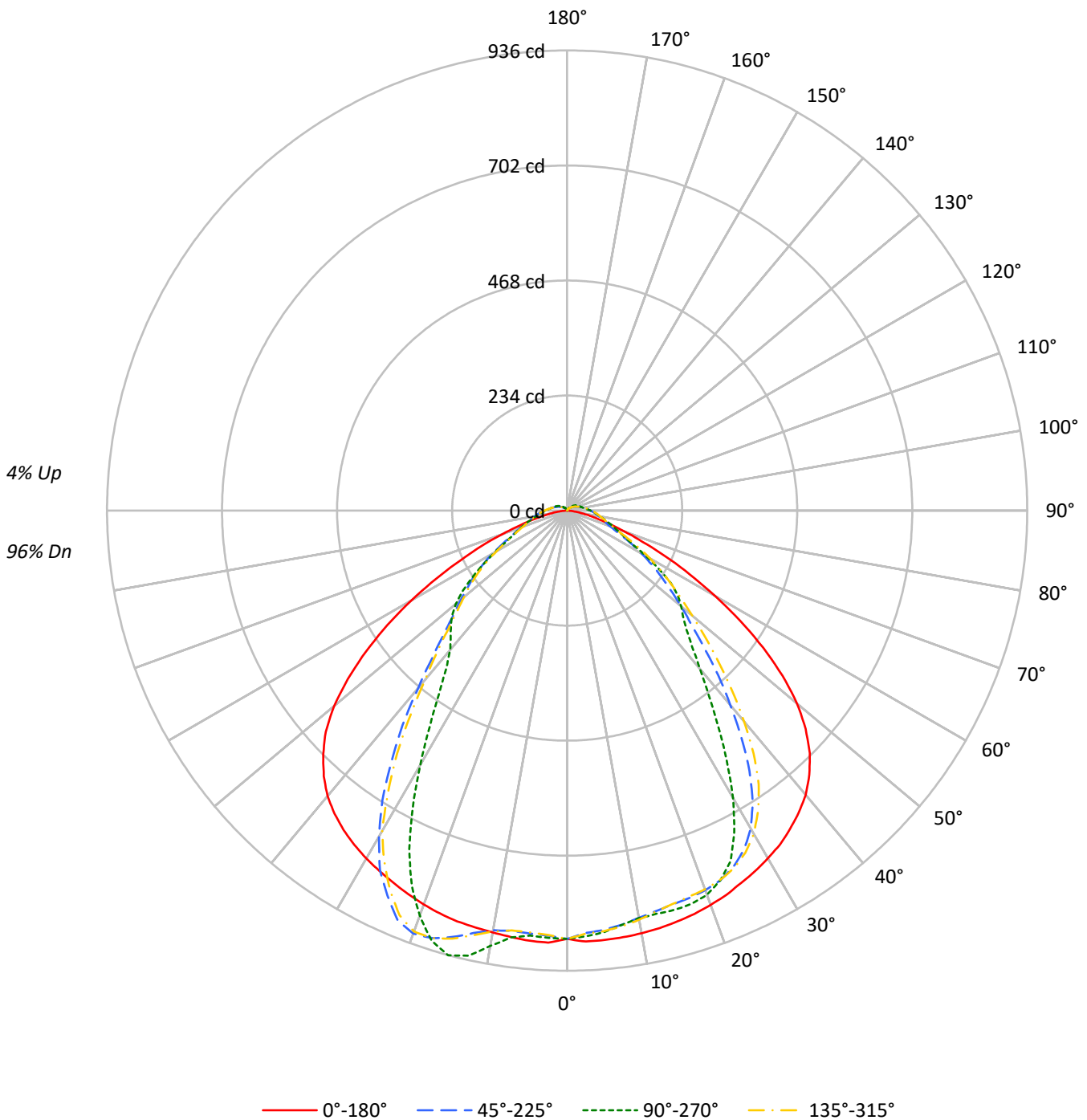
Input Watts (W): 13.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: 4SSRK-LC-20-L830-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	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°	56265	56265	56265	56265
5°	56623	41339	56740	41665
10°	56833	32376	56716	34576
15°	57216	27141	57190	30220
20°	57790	23272	57729	24532
25°	58444	19563	58410	18902
30°	59474	15199	59510	13466
35°	60565	11108	60741	9399
40°	61510	8124	61762	7159
45°	61192	6271	61508	6107
50°	58447	5268	59270	5150
55°	51744	4318	53030	3925
60°	41852	3006	44069	2757
65°	30988	2082	33387	1974
70°	20959	1616	23636	1545
75°	13605	1297	15829	1227
80°	8664	1060	10138	975
85°	4267	906	5622	828



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.8	4.0
10°-20°	246.2	11.9
20°-30°	374.3	18.0
30°-40°	401.5	19.3
40°-50°	348.5	16.8
50°-60°	258.3	12.4
60°-70°	148.0	7.1
70°-80°	81.9	3.9
80°-90°	49.9	2.4
90°-100°	32.4	1.6
100°-110°	21.7	1.0
110°-120°	14.6	0.7
120°-130°	9.0	0.4
130°-140°	4.7	0.2
140°-150°	2.1	0.1
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	703.3	33.9
0°-40°	1104.8	53.2
0°-60°	1711.6	82.4
0°-90°	1991.3	95.9
90°-120°	68.8	3.3
90°-150°	84.6	4.1
90°-180°	85.0	4.1
0°-180°	2076.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	871	871	871	871	871	
5°	877	861	878	868	877	84
15°	865	841	865	936	865	245
25°	836	787	836	760	836	386
35°	791	536	793	453	791	495
45°	698	343	702	334	698	534
55°	487	257	499	234	487	432
65°	221	130	238	124	221	223
75°	63	83	73	78	63	72
85°	8	57	11	52	8	11
90°	0	48	1	44	0	0
95°	0	39	0	37	0	0
105°	0	29	0	28	0	0
115°	0	24	0	22	0	0
125°	0	18	0	15	0	0
135°	0	11	0	9	0	0
145°	0	7	1	5	0	0
155°	1	3	1	3	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: P290176

CATALOG NUMBER: 4SSRK-LC-20-L830-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	871.2	871.2	871.2	871.2	871.2	871.2	871.2	871.2	871.2	871.2	871.2
2.5°	877.5	875.2	874.3	872.5	873.9	879.3	875.7	869.8	870.3	859.9	865.3
5°	876.6	873.9	872.5	870.7	871.6	876.6	873.0	867.1	866.7	856.3	861.3
7.5°	875.2	872.5	870.3	868.9	869.4	873.4	868.9	862.2	860.8	849.6	854.1
10°	873.0	871.2	868.0	865.8	865.3	869.8	862.6	855.9	852.7	841.0	845.5
12.5°	869.8	867.1	864.0	859.9	859.5	862.2	856.3	846.9	843.7	834.3	839.2
15°	865.3	862.2	858.6	854.1	851.8	853.6	846.4	837.9	837.4	829.3	836.1
17.5°	860.4	855.9	851.8	845.5	842.4	843.7	837.9	830.2	831.1	826.2	833.8
20°	853.6	848.7	842.4	836.1	831.6	833.8	829.8	823.9	825.3	821.7	828.4
22.5°	846.0	839.2	831.6	824.4	820.8	823.9	820.8	815.8	816.3	814.0	818.1
25°	836.1	828.4	819.4	810.4	808.6	810.9	809.1	805.0	803.2	799.6	801.4
27.5°	827.1	818.5	807.3	797.8	794.7	799.2	795.1	788.4	783.4	778.5	774.9
30°	816.7	806.4	793.8	783.0	780.3	782.1	776.2	765.9	752.8	746.5	736.6
32.5°	805.5	792.0	776.2	764.1	762.3	760.9	750.1	735.3	715.0	702.4	687.1
35°	790.6	775.8	756.9	742.0	739.3	731.7	714.1	694.3	668.2	646.6	620.5
37.5°	774.0	756.4	736.6	716.8	709.2	693.9	669.1	648.4	608.8	582.7	551.2
40°	755.1	733.9	709.6	685.8	673.2	648.4	620.1	589.5	551.2	516.1	489.6
42.5°	729.0	706.5	677.7	651.1	629.5	596.7	563.4	520.2	485.1	455.4	428.4
45°	697.9	670.9	637.6	605.7	578.2	539.1	499.9	456.7	427.5	392.8	374.4
47.5°	657.9	628.6	593.1	557.5	521.5	478.3	437.4	396.0	366.7	342.0	328.5
50°	610.6	583.6	544.5	502.2	462.6	417.6	376.6	345.6	317.2	301.9	291.6
52.5°	552.1	526.9	486.9	441.0	402.7	358.6	321.3	296.1	275.8	264.6	261.0
55°	486.9	464.8	425.2	382.5	343.3	302.8	274.5	252.4	239.4	232.6	233.1
57.5°	417.1	400.0	362.7	324.4	287.5	256.9	231.3	213.7	203.8	203.4	204.7
60°	347.4	334.8	302.4	269.5	237.1	212.4	193.5	181.3	175.0	175.5	175.0
62.5°	280.8	269.1	245.7	218.7	193.0	176.4	159.3	154.3	148.9	148.5	148.5
65°	220.9	211.9	193.0	173.7	154.3	143.5	135.0	129.1	125.1	124.2	124.6
67.5°	166.0	162.4	149.4	136.3	124.2	117.4	110.2	108.9	105.7	105.7	106.6
70°	123.7	121.0	113.8	106.2	101.2	96.7	93.1	93.1	92.7	92.2	94.5
72.5°	89.5	90.0	87.7	81.9	81.4	80.5	79.6	81.0	81.4	82.8	85.5
75°	63.0	64.3	64.3	63.4	65.2	67.5	68.8	71.1	73.8	75.6	78.7
77.5°	44.5	44.5	46.8	49.5	53.1	57.1	60.7	63.9	67.5	69.7	72.4
80°	28.8	30.1	33.7	38.7	43.6	49.0	54.0	58.0	61.6	65.2	67.0
82.5°	17.1	19.3	23.8	30.1	36.4	43.2	48.1	53.1	57.1	60.7	62.1
85°	8.5	11.7	17.1	23.8	30.6	37.8	44.1	48.6	53.1	56.2	58.0
87.5°	2.7	6.3	12.1	18.4	25.6	32.8	39.6	44.5	48.6	51.3	53.1
90°	0.0	3.1	8.5	15.3	22.0	29.2	35.5	40.9	45.0	47.2	48.6
92.5°	0.0	1.8	6.7	12.6	18.9	26.1	32.4	37.3	40.9	43.2	44.1
95°	0.4	1.3	4.9	10.3	16.6	23.4	29.2	33.7	37.3	39.6	40.0
97.5°	0.4	0.9	4.0	8.5	14.4	20.7	26.5	31.0	33.7	36.0	36.4
100°	0.4	0.9	3.1	7.6	12.6	18.4	23.8	27.9	31.0	32.8	33.3
102.5°	0.4	0.4	2.7	6.3	11.2	16.2	21.1	25.2	27.9	29.7	30.6
105°	0.4	0.4	2.2	5.4	9.9	14.4	18.9	22.9	25.2	27.0	27.9
107.5°	0.4	0.4	1.8	4.5	8.5	12.6	17.1	20.2	22.9	24.7	25.6
110°	0.4	0.4	1.3	4.0	7.2	11.2	14.8	18.0	20.7	22.5	23.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	0.4	0.4	1.3	3.6	6.3	9.9	13.0	16.2	18.4	20.2	21.6
115°	0.4	0.4	1.3	3.1	5.8	8.5	11.7	14.4	16.6	18.4	19.8
117.5°	0.4	0.4	1.3	2.7	4.9	7.6	10.3	13.0	14.8	16.6	18.0
120°	0.4	0.4	0.9	2.2	4.5	6.7	9.0	11.2	13.5	15.3	16.6
122.5°	0.4	0.4	0.9	2.2	3.6	5.8	8.1	9.9	12.1	13.5	14.8
125°	0.4	0.4	0.9	1.8	3.1	5.4	7.2	9.0	10.3	12.1	13.5
127.5°	0.4	0.4	0.9	1.8	2.7	4.5	6.3	8.1	9.4	10.8	11.7
130°	0.4	0.4	0.9	1.3	2.2	3.6	5.4	6.7	8.5	9.4	10.3
132.5°	0.4	0.4	0.4	1.3	1.8	2.7	4.0	5.8	7.2	8.5	9.0
135°	0.4	0.4	0.4	0.9	1.8	2.2	3.1	4.5	5.8	7.2	8.1
137.5°	0.4	0.4	0.4	0.9	1.3	2.2	2.7	3.6	4.9	5.8	7.2
140°	0.4	0.4	0.4	0.9	1.3	1.8	2.2	3.1	4.0	4.9	5.8
142.5°	0.4	0.4	0.4	0.9	0.9	1.3	1.8	2.7	3.1	4.0	4.9
145°	0.4	0.4	0.4	0.9	0.9	1.3	1.8	2.2	2.7	3.1	4.0
147.5°	0.4	0.4	0.4	0.9	0.9	0.9	1.3	1.8	2.2	2.7	3.1
150°	0.9	0.9	0.9	0.9	0.9	0.9	1.3	1.3	1.8	2.2	2.7
152.5°	0.9	0.9	0.9	0.9	0.9	0.9	1.3	1.3	1.3	1.8	2.2
155°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.3	1.3	1.8	1.8
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°	871.2	871.2	871.2	871.2	871.2	871.2	871.2	871.2	871.2	871.2	871.2
2.5°	863.5	864.4	869.8	869.4	868.5	867.6	867.6	866.7	867.6	869.8	868.9
5°	859.0	860.4	864.4	864.0	863.1	862.6	862.2	860.8	861.7	864.9	864.0
7.5°	850.9	852.3	855.9	854.1	852.7	853.6	851.4	850.0	851.8	855.0	854.5
10°	842.4	843.3	847.8	846.9	844.6	845.1	842.8	841.9	844.2	846.0	846.4
12.5°	836.5	839.7	843.7	843.3	842.8	843.3	841.0	840.1	841.5	843.3	842.8
15°	835.2	839.2	843.7	843.7	844.2	844.6	842.4	841.0	842.4	843.7	843.3
17.5°	833.8	838.8	842.8	842.4	842.8	843.7	840.1	839.2	841.0	842.8	841.9
20°	829.3	833.8	836.5	835.6	835.6	836.1	831.6	831.6	834.3	835.6	836.1
22.5°	816.7	822.1	822.1	819.9	819.9	818.1	816.7	814.0	817.2	819.4	821.2
25°	797.8	800.1	797.4	792.4	789.7	787.5	781.2	786.6	786.6	793.3	795.6
27.5°	771.3	766.3	758.7	748.3	746.1	738.9	734.8	736.2	738.4	747.9	755.1
30°	727.6	712.8	699.7	695.2	685.3	678.1	670.9	674.5	678.6	684.0	698.8
32.5°	670.0	655.6	634.5	626.8	616.5	607.5	598.9	604.3	611.5	615.1	631.3
35°	603.9	586.8	567.4	554.4	543.6	538.6	527.8	535.5	543.1	545.8	559.8
37.5°	533.7	516.1	499.0	487.8	477.4	474.3	467.1	472.5	478.3	482.4	494.1
40°	467.1	450.9	437.8	430.2	423.0	420.3	417.6	419.8	424.3	427.5	436.5
42.5°	409.9	396.9	387.9	383.4	378.4	374.8	375.3	376.2	378.4	385.2	389.2
45°	360.0	352.3	346.5	345.6	342.4	342.0	341.5	343.3	344.7	348.7	351.9
47.5°	319.9	316.8	315.4	317.2	318.6	316.8	317.7	319.9	322.6	322.6	322.2
50°	288.4	289.3	291.1	295.2	297.9	298.8	299.7	302.4	302.8	303.7	302.4
52.5°	262.8	263.7	268.6	274.9	278.1	279.4	281.2	283.9	283.9	284.8	283.0
55°	236.7	238.0	243.0	249.3	252.0	253.8	255.6	257.4	258.7	260.5	259.2
57.5°	207.9	211.9	215.1	216.9	218.7	220.0	221.4	221.8	224.5	225.0	227.2
60°	177.3	178.2	181.3	180.9	179.5	183.1	181.3	184.5	187.6	191.7	192.1
62.5°	148.0	148.5	150.7	149.8	151.6	151.2	152.5	152.5	154.8	156.6	158.8
65°	125.1	125.5	127.3	127.3	126.9	128.2	129.6	130.5	130.5	131.8	133.6
67.5°	108.0	109.3	111.1	112.0	112.9	112.9	114.3	114.7	115.6	116.1	117.0
70°	96.3	98.1	99.9	100.8	101.2	102.1	102.6	102.6	103.5	103.9	104.8
72.5°	87.7	89.5	90.9	90.9	91.8	92.2	92.2	92.7	93.1	94.0	94.9
75°	80.5	81.9	82.8	82.3	82.3	82.3	82.8	82.8	83.7	84.6	85.5
77.5°	73.8	75.1	75.1	74.2	74.2	74.2	74.2	74.7	75.1	76.0	76.9
80°	68.8	68.8	68.4	68.4	67.5	67.0	67.0	67.5	67.5	68.4	69.7
82.5°	63.4	63.4	63.0	62.5	62.1	61.6	61.6	62.1	62.5	63.0	63.9
85°	58.5	58.5	57.6	57.6	57.1	57.1	57.1	57.1	57.6	58.0	58.9
87.5°	53.5	53.1	52.6	52.2	52.2	52.2	52.2	52.2	52.6	53.5	54.0
90°	48.6	48.1	47.7	47.7	47.2	47.2	47.7	47.7	48.1	48.6	49.0
92.5°	44.1	43.6	43.2	43.2	42.7	42.7	43.2	42.7	43.6	43.6	44.1
95°	40.0	39.6	39.1	39.1	39.1	39.1	39.1	39.1	39.6	39.6	40.0
97.5°	36.4	36.0	35.5	35.5	36.0	35.5	36.0	36.0	36.0	36.4	36.9
100°	33.3	32.8	32.8	33.3	32.8	32.8	33.3	33.3	33.3	33.3	33.7
102.5°	30.6	30.6	30.6	30.6	30.6	30.6	31.0	31.0	31.0	31.0	31.5
105°	27.9	28.3	28.3	28.3	28.8	28.8	28.8	29.2	29.2	29.2	29.2
107.5°	26.1	26.5	26.5	27.0	27.0	27.4	27.4	27.4	27.4	27.9	27.9
110°	24.3	24.7	25.2	25.6	25.6	26.1	26.1	26.1	26.1	26.1	26.1



TEST NUMBER: P290176

CATALOG NUMBER: 4SSRK-LC-20-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	22.5	22.9	23.4	24.3	24.7	24.7	24.7	24.7	25.2	25.2	24.7
115°	20.7	21.6	22.0	22.9	23.4	23.4	23.8	23.8	23.8	23.8	23.4
117.5°	18.9	20.2	20.7	21.6	22.0	22.0	22.5	22.5	22.5	22.5	22.0
120°	17.5	18.4	19.3	19.8	20.2	20.7	20.7	21.1	21.1	21.1	20.7
122.5°	16.2	17.1	18.0	18.4	18.9	19.3	19.3	19.3	19.3	19.3	19.3
125°	14.4	15.3	16.2	16.6	17.1	17.5	17.5	18.0	18.0	18.0	17.5
127.5°	13.0	13.9	14.4	15.3	15.7	15.7	16.2	16.2	16.2	16.2	15.7
130°	11.2	12.1	13.0	13.5	13.9	13.9	14.4	14.4	14.4	14.4	14.4
132.5°	9.9	10.8	11.2	12.1	12.1	12.6	12.6	13.0	13.0	13.0	12.6
135°	9.0	9.4	9.9	10.8	10.8	11.2	11.2	11.2	11.2	11.2	11.2
137.5°	8.1	8.5	9.0	9.4	9.4	9.9	9.9	9.9	9.9	10.3	9.9
140°	6.7	7.6	8.1	8.1	8.5	8.5	8.5	9.0	9.0	9.0	8.5
142.5°	5.8	6.3	6.7	7.2	7.6	7.6	7.6	7.6	8.1	7.6	7.6
145°	4.5	5.4	5.8	6.3	6.7	6.7	6.7	6.7	6.7	6.7	6.7
147.5°	3.6	4.0	4.9	5.4	5.4	5.8	5.8	5.8	5.8	5.8	5.8
150°	3.1	3.1	4.0	4.5	4.9	4.9	4.9	4.9	4.9	4.9	4.9
152.5°	2.2	2.7	3.1	3.6	4.0	4.0	4.0	4.0	4.0	4.0	4.0
155°	2.2	2.2	2.7	2.7	3.1	3.1	3.1	3.1	3.6	3.1	3.1
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: P290176

CATALOG NUMBER: 4SSRK-LC-20-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	871.2	871.2	871.2	871.2	871.2	871.2	871.2	871.2	871.2	871.2	871.2
2.5°	867.6	867.1	868.9	867.1	858.1	861.7	860.4	865.3	865.8	867.1	871.6
5°	863.1	863.1	865.3	863.5	855.0	858.6	858.1	863.1	864.0	864.9	869.8
7.5°	854.1	854.5	857.7	856.3	847.3	852.7	852.3	858.1	859.9	861.7	866.2
10°	845.5	845.1	848.7	847.3	838.8	845.1	844.6	850.5	853.2	856.3	861.7
12.5°	841.0	839.7	841.0	839.7	830.2	835.2	835.6	842.4	845.5	849.6	855.9
15°	841.0	838.8	838.8	836.1	825.3	828.4	828.9	833.4	837.4	841.5	849.1
17.5°	840.1	837.9	837.4	835.2	823.5	823.5	823.0	826.2	828.4	832.5	840.6
20°	835.2	834.3	833.8	832.5	821.7	819.9	819.0	819.0	820.3	821.7	829.8
22.5°	822.1	823.0	823.9	824.8	816.3	813.1	813.6	812.7	811.3	811.3	818.1
25°	797.8	802.3	805.9	810.0	805.0	802.8	805.5	804.1	801.9	800.1	805.9
27.5°	759.1	768.6	776.2	786.1	786.6	784.8	792.0	791.1	790.6	787.9	792.4
30°	705.6	720.4	730.8	745.2	757.3	759.1	771.3	773.1	774.9	773.5	778.0
32.5°	640.8	661.0	678.6	701.1	712.8	723.1	740.2	747.4	754.6	756.9	761.8
35°	570.1	593.1	613.8	638.5	657.0	679.5	700.2	711.0	727.2	733.5	740.7
37.5°	503.1	524.7	544.9	569.7	599.4	622.8	648.4	672.7	694.8	703.8	714.6
40°	443.7	461.2	480.6	502.2	529.2	559.8	587.7	621.4	647.5	665.5	681.3
42.5°	398.7	407.2	423.9	443.2	464.8	495.9	524.2	562.0	593.5	619.2	645.3
45°	358.6	362.7	374.8	385.2	407.2	434.7	464.8	501.7	534.6	567.4	598.9
47.5°	324.4	329.4	335.2	341.5	357.3	380.2	406.3	439.6	472.5	510.7	546.7
50°	301.5	302.8	303.7	306.4	315.9	331.6	352.8	381.1	412.6	453.6	491.8
52.5°	281.2	281.2	278.5	277.2	280.8	290.7	302.8	323.1	355.5	393.3	433.8
55°	259.6	255.6	254.7	250.2	251.1	255.6	261.4	277.2	303.7	336.1	375.3
57.5°	229.5	227.7	227.7	225.9	222.3	224.5	225.9	237.1	256.0	283.9	318.1
60°	194.8	193.9	196.2	196.6	193.5	194.8	194.4	201.1	214.6	237.1	265.5
62.5°	160.2	164.2	164.7	166.5	164.7	164.2	166.5	172.3	179.1	196.2	218.2
65°	134.5	136.8	137.2	139.5	138.6	138.6	140.4	144.9	148.9	160.6	177.7
67.5°	117.9	117.0	117.4	118.8	117.4	117.0	118.3	121.0	124.2	131.4	143.5
70°	104.8	103.9	103.9	103.9	102.1	100.8	101.2	102.1	103.5	107.5	115.2
72.5°	94.9	94.9	93.6	92.2	90.9	90.0	89.1	88.2	87.7	89.1	93.1
75°	85.9	86.4	85.9	84.6	82.8	81.0	79.2	77.4	75.1	74.2	74.7
77.5°	77.8	78.3	78.7	78.3	76.5	74.2	71.5	68.8	65.7	62.5	60.7
80°	70.6	71.5	72.0	71.5	70.2	68.4	65.2	62.1	57.6	53.5	49.0
82.5°	64.3	65.7	66.1	66.1	65.2	63.4	59.8	56.2	51.3	45.9	40.0
85°	59.4	60.3	61.2	61.2	60.7	58.9	55.3	51.3	46.3	40.0	33.7
87.5°	54.4	54.9	55.8	56.7	55.8	54.0	50.8	46.3	41.4	35.1	27.9
90°	49.5	49.9	50.8	51.7	51.3	49.5	46.8	42.7	37.3	30.6	23.4
92.5°	44.5	45.4	45.9	46.3	46.8	45.4	43.2	39.1	33.7	27.0	20.2
95°	40.9	40.9	41.8	42.3	42.7	41.4	39.6	35.5	30.6	24.3	17.5
97.5°	37.3	37.3	38.2	38.2	38.7	37.8	36.0	32.4	27.4	21.6	14.8
100°	33.7	34.2	34.6	35.1	35.1	34.6	32.8	29.2	24.7	19.3	13.0
102.5°	31.5	31.5	31.9	31.9	32.4	31.5	29.7	26.5	22.0	17.1	11.2
105°	29.2	29.2	29.7	29.7	29.2	28.3	26.5	23.8	19.8	14.8	9.9
107.5°	27.4	27.4	27.4	27.4	27.0	26.1	24.3	21.1	17.5	13.5	9.0
110°	26.1	25.6	25.6	25.2	24.7	23.4	21.6	18.9	15.7	11.7	7.6



TEST NUMBER: P290176

CATALOG NUMBER: 4SSRK-LC-20-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	24.7	24.3	23.8	23.4	22.5	21.1	19.3	17.1	13.9	10.3	6.7
115°	23.4	22.9	22.5	21.6	20.7	19.3	17.5	15.3	12.1	9.0	5.8
117.5°	22.0	21.6	20.7	19.8	18.9	17.5	15.7	13.5	10.8	8.1	5.4
120°	20.2	19.8	19.3	18.4	17.5	15.7	13.9	12.1	9.4	7.2	4.5
122.5°	18.9	18.4	17.5	17.1	15.7	14.4	12.6	10.8	8.5	6.3	4.0
125°	17.1	16.6	16.2	15.3	14.4	12.6	11.2	9.4	7.6	5.4	3.1
127.5°	15.7	15.3	14.4	13.5	12.6	11.2	9.9	8.5	6.7	4.5	3.1
130°	13.9	13.5	13.0	12.1	11.2	9.9	9.0	7.2	5.8	4.0	2.7
132.5°	12.1	12.1	11.7	10.8	9.9	9.0	7.6	6.3	4.9	3.6	2.2
135°	11.2	10.8	10.3	9.4	9.0	7.6	6.7	5.4	4.0	3.1	1.8
137.5°	9.9	9.4	9.0	8.5	7.6	6.7	5.8	4.5	3.6	2.7	1.8
140°	8.5	8.1	8.1	7.2	6.7	5.8	4.9	4.0	3.1	2.2	1.3
142.5°	7.6	7.2	6.7	6.3	5.8	4.9	4.0	3.1	2.7	1.8	1.3
145°	6.7	6.3	5.8	5.4	4.9	4.0	3.6	2.7	2.2	1.8	1.3
147.5°	5.4	5.4	4.9	4.5	4.0	3.6	3.1	2.7	1.8	1.3	0.9
150°	4.5	4.5	4.0	3.6	3.6	3.1	2.7	2.2	1.8	1.3	0.9
152.5°	4.0	3.6	3.6	3.1	3.1	2.7	2.2	1.8	1.3	1.3	0.9
155°	3.1	3.1	3.1	2.7	2.7	2.2	1.8	1.8	1.3	0.9	0.9
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: P290176

CATALOG NUMBER: 4SSRK-LC-20-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	871.2	871.2	871.2	871.2	871.2	871.2	871.2	871.2	871.2	871.2	871.2
2.5°	872.5	867.1	871.6	879.7	878.8	877.9	877.0	878.8	884.7	881.5	876.6
5°	871.2	865.8	870.7	878.4	877.9	876.6	875.7	877.5	883.3	880.2	874.8
7.5°	868.5	863.5	867.1	874.8	874.8	873.9	873.0	874.8	880.2	877.5	872.1
10°	864.0	860.4	864.0	871.2	871.6	869.8	868.9	871.2	876.6	875.2	870.7
12.5°	860.4	856.8	860.8	868.0	868.5	866.7	865.3	868.0	875.2	876.1	874.8
15°	855.4	852.3	857.2	864.9	864.9	863.5	863.5	867.1	877.0	881.1	883.3
17.5°	848.2	846.0	851.8	859.5	859.9	859.0	859.5	866.7	879.7	889.6	895.9
20°	839.2	838.3	844.6	852.7	854.1	854.5	856.8	867.6	885.6	899.1	905.4
22.5°	828.4	828.9	836.1	844.6	846.4	847.8	852.3	867.6	890.1	904.5	907.2
25°	816.3	817.6	825.3	835.6	837.9	840.6	848.2	868.0	891.4	900.9	896.4
27.5°	803.2	805.9	815.8	826.6	829.3	833.8	843.7	865.3	885.1	885.6	868.9
30°	789.7	792.9	804.6	817.2	821.7	826.2	838.3	859.0	869.8	855.4	826.2
32.5°	774.4	778.9	790.6	805.9	811.3	817.2	829.3	846.9	842.8	811.8	769.9
35°	755.1	761.4	774.9	792.9	797.8	805.5	814.0	818.1	800.1	756.0	708.7
37.5°	731.2	740.7	756.4	777.1	782.5	787.5	789.7	778.5	742.5	694.8	645.7
40°	703.8	718.2	735.3	758.2	763.6	763.6	755.5	731.7	686.2	623.7	569.2
42.5°	670.5	688.0	709.6	732.6	738.0	731.7	712.3	670.5	618.7	549.0	491.4
45°	630.0	653.4	677.7	701.5	704.2	690.3	655.6	602.5	538.6	473.8	418.9
47.5°	581.8	612.4	639.0	666.0	662.4	639.0	592.6	532.3	464.8	403.6	359.5
50°	527.8	563.8	593.5	619.2	611.5	579.1	524.7	461.7	394.6	342.4	306.0
52.5°	470.2	511.6	541.3	562.0	551.7	513.0	453.1	392.8	337.9	290.2	265.9
55°	410.4	452.2	482.8	499.0	485.5	443.7	384.7	329.8	278.1	247.0	232.6
57.5°	352.3	391.5	420.3	433.3	416.2	374.4	319.9	273.6	236.2	210.1	202.9
60°	296.5	328.5	355.9	365.8	347.4	308.7	261.9	225.0	197.5	179.5	175.9
62.5°	244.8	270.9	292.5	300.1	282.1	252.0	211.5	184.0	164.7	155.7	151.2
65°	202.0	217.3	239.4	238.0	227.2	199.3	169.6	150.3	137.7	131.8	129.1
67.5°	158.8	172.8	186.7	188.5	175.0	155.7	136.3	122.4	115.6	112.5	111.1
70°	122.8	133.2	141.7	139.5	132.3	120.1	108.0	100.3	97.6	96.3	96.3
72.5°	95.4	100.8	104.8	102.1	97.6	91.3	85.5	82.3	82.8	83.7	84.6
75°	73.8	75.1	76.0	73.3	72.4	68.4	67.9	68.4	71.1	73.8	75.1
77.5°	56.7	54.9	53.5	50.8	51.3	50.8	53.1	56.7	60.7	64.8	68.4
80°	43.6	39.6	36.4	33.7	35.1	37.3	41.8	47.2	52.6	57.1	61.6
82.5°	33.7	27.9	23.4	20.7	23.4	27.0	32.8	39.6	45.9	50.8	55.8
85°	26.1	19.3	13.9	11.2	13.9	19.3	25.6	33.3	40.0	45.4	50.4
87.5°	20.2	13.9	7.6	4.5	7.6	13.5	20.7	27.9	34.6	40.9	45.9
90°	16.2	9.4	3.6	0.9	4.0	9.4	16.2	23.4	30.1	36.9	41.8
92.5°	13.0	6.7	1.8	0.0	2.2	7.2	13.5	20.2	27.0	33.3	38.2
95°	10.8	5.4	1.3	0.0	1.8	5.4	10.8	17.5	23.8	30.1	34.2
97.5°	9.0	4.0	0.9	0.0	0.9	4.5	9.0	14.8	21.1	27.0	31.0
100°	7.6	3.6	0.9	0.0	0.9	3.6	7.6	13.0	18.4	23.8	27.9
102.5°	6.3	2.7	0.4	0.4	0.4	2.7	6.7	11.2	16.2	21.1	25.2
105°	5.8	2.2	0.4	0.4	0.4	2.2	5.8	9.9	14.4	18.9	22.5
107.5°	4.9	1.8	0.4	0.4	0.4	1.8	4.9	8.5	13.0	17.1	20.2
110°	4.0	1.8	0.4	0.4	0.4	1.8	4.0	7.6	11.2	14.8	18.0



TEST NUMBER: P290176

CATALOG NUMBER: 4SSRK-LC-20-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	3.6	1.3	0.4	0.4	0.4	1.3	3.6	6.7	9.9	13.5	16.2
115°	3.1	1.3	0.4	0.4	0.4	1.3	3.1	5.8	8.5	11.7	14.4
117.5°	2.7	1.3	0.4	0.4	0.4	0.9	2.7	4.9	7.6	10.3	13.0
120°	2.2	0.9	0.4	0.4	0.4	0.9	2.2	4.5	6.7	9.0	11.2
122.5°	2.2	0.9	0.4	0.4	0.4	0.9	1.8	3.6	5.8	7.6	9.9
125°	1.8	0.9	0.4	0.4	0.4	0.4	1.8	3.1	4.9	6.7	8.5
127.5°	1.8	0.9	0.4	0.4	0.4	0.4	1.3	2.7	4.0	5.8	7.6
130°	1.3	0.9	0.4	0.4	0.4	0.4	0.9	2.2	3.6	4.9	6.3
132.5°	1.3	0.9	0.4	0.4	0.4	0.4	0.9	1.8	2.7	4.0	5.4
135°	1.3	0.4	0.4	0.4	0.4	0.4	0.4	1.3	2.2	3.1	4.0
137.5°	0.9	0.4	0.4	0.4	0.4	0.4	0.4	0.9	1.8	2.2	3.6
140°	0.9	0.4	0.4	0.4	0.4	0.4	0.4	0.9	1.3	1.8	2.7
142.5°	0.9	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9	1.3	2.2
145°	0.9	0.4	0.4	0.9	0.9	0.4	0.4	0.9	0.9	1.3	1.8
147.5°	0.9	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9	0.9	1.3
150°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.3
152.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
155°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
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: P290176

CATALOG NUMBER: 4SSRK-LC-20-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	871.2	871.2	871.2	871.2	871.2	871.2	871.2	871.2	871.2	871.2	871.2
2.5°	875.7	865.3	870.7	868.9	870.7	875.2	874.8	873.4	874.3	872.1	869.8
5°	873.9	863.5	868.9	866.7	868.9	873.4	872.5	871.2	872.5	869.8	867.6
7.5°	871.6	862.2	868.5	868.0	872.1	877.9	878.4	878.4	881.5	877.5	875.7
10°	871.6	866.7	875.2	878.4	888.7	896.4	897.3	899.1	904.5	903.6	899.1
12.5°	881.1	880.2	892.8	900.4	909.9	920.7	926.5	928.3	931.9	929.2	927.4
15°	893.2	897.7	911.7	920.2	930.6	938.7	940.0	940.9	943.6	939.6	936.4
17.5°	909.4	912.1	923.4	927.0	933.7	935.1	933.3	928.8	928.8	919.8	917.1
20°	917.1	915.7	920.2	914.4	911.7	903.6	895.9	887.4	886.9	877.5	876.6
22.5°	910.3	901.3	891.9	877.5	871.2	859.5	849.1	844.2	841.0	828.9	825.7
25°	886.5	864.4	850.5	833.4	818.1	804.6	794.7	784.3	774.4	764.5	760.0
27.5°	845.1	824.4	801.9	778.0	756.9	736.2	719.5	709.2	699.7	686.7	679.9
30°	794.2	765.4	740.7	717.7	683.1	657.9	643.9	623.2	616.0	610.2	597.6
32.5°	734.4	699.7	666.0	634.9	599.4	576.0	557.5	542.2	537.7	522.4	518.8
35°	668.2	622.8	584.5	553.9	528.3	499.9	484.6	474.3	465.3	454.9	453.1
37.5°	590.4	549.4	506.2	479.2	459.0	434.7	423.0	415.8	411.7	404.1	402.7
40°	512.1	471.1	441.4	414.4	401.8	388.8	380.2	377.1	375.3	372.6	369.9
42.5°	441.0	405.0	383.8	365.8	360.4	354.1	351.9	353.7	351.9	351.0	350.5
45°	380.7	353.2	338.4	333.0	331.6	329.8	331.6	334.8	335.2	334.3	334.3
47.5°	325.8	312.7	306.4	307.3	309.6	310.9	314.1	318.1	319.0	316.8	317.7
50°	289.8	282.1	280.8	284.4	289.3	291.1	294.7	297.9	297.4	296.5	295.6
52.5°	256.0	253.8	257.4	261.0	266.4	267.3	268.6	270.0	269.5	267.7	266.8
55°	227.7	229.5	232.6	234.0	238.0	237.6	238.0	238.0	236.2	235.3	234.0
57.5°	202.0	202.5	204.3	204.7	207.0	206.1	205.6	204.7	202.0	201.6	200.2
60°	175.9	175.0	179.1	175.9	177.7	175.9	175.5	173.2	170.5	170.1	169.2
62.5°	151.2	149.4	152.1	150.7	151.6	149.8	148.9	146.2	144.0	143.5	143.1
65°	129.1	128.2	130.9	130.5	131.4	129.1	128.2	126.4	124.6	124.2	123.7
67.5°	110.7	112.9	114.3	114.3	115.2	114.7	112.5	112.0	111.6	109.8	109.8
70°	97.2	98.5	101.2	101.7	101.2	102.1	100.3	99.9	99.4	98.5	98.1
72.5°	86.4	88.2	90.9	91.3	90.9	90.9	90.0	89.5	89.5	88.2	88.2
75°	77.8	80.1	82.3	82.3	82.3	81.4	80.5	80.5	79.6	79.2	78.3
77.5°	70.6	73.3	75.1	74.7	74.2	73.3	73.3	72.0	70.6	70.6	69.7
80°	65.2	67.0	68.4	67.9	67.5	66.1	65.7	64.3	63.4	62.1	62.1
82.5°	59.4	61.6	62.5	62.1	61.2	59.8	59.4	58.5	57.6	57.1	56.2
85°	54.4	56.7	57.1	56.2	55.3	54.4	54.0	53.5	53.1	52.2	52.2
87.5°	49.5	51.7	51.7	51.3	50.4	49.9	49.5	49.0	48.6	48.1	47.7
90°	45.4	47.2	47.2	46.8	46.3	45.9	45.4	45.0	44.5	44.1	44.1
92.5°	41.4	43.2	43.2	42.7	42.3	41.8	41.8	41.4	40.9	40.5	40.0
95°	37.8	39.6	39.6	39.6	39.1	38.7	38.7	38.2	37.8	37.8	37.3
97.5°	34.2	36.0	36.0	36.0	35.5	35.1	35.1	34.6	34.6	34.6	34.2
100°	31.0	32.4	32.8	32.8	32.4	32.4	32.4	31.9	31.9	31.9	31.5
102.5°	27.9	29.2	30.1	30.1	30.1	29.7	29.7	29.7	29.7	29.7	29.2
105°	25.2	26.5	27.4	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9
107.5°	22.9	24.3	25.2	25.6	26.1	26.1	26.5	26.5	26.5	26.5	26.5
110°	20.7	22.0	23.4	23.8	24.3	24.7	24.7	25.2	24.7	24.7	24.7



TEST NUMBER: P290176

CATALOG NUMBER: 4SSRK-LC-20-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	18.4	20.2	21.1	22.0	22.5	22.9	23.4	23.4	23.4	23.4	23.4
115°	16.6	18.4	19.3	20.2	21.1	21.6	21.6	22.0	22.0	22.0	21.6
117.5°	14.8	16.6	17.5	18.4	18.9	19.8	20.2	20.2	20.2	20.2	19.8
120°	13.5	14.8	15.7	16.6	17.5	18.0	18.4	18.4	18.4	18.4	18.4
122.5°	11.7	13.0	14.4	15.3	15.7	16.2	16.6	16.6	16.6	16.6	16.6
125°	10.3	11.7	12.6	13.5	13.9	14.8	14.8	14.8	14.8	14.8	14.8
127.5°	9.0	10.3	11.2	12.1	12.6	13.0	13.5	13.5	13.5	13.5	13.5
130°	7.6	9.0	9.9	10.8	11.2	11.7	11.7	12.1	12.1	12.1	12.1
132.5°	6.7	7.6	8.5	9.4	9.9	10.3	10.3	10.8	10.8	10.8	10.8
135°	5.4	6.7	7.2	8.1	8.5	9.0	9.0	9.4	9.4	9.4	9.4
137.5°	4.5	5.4	6.3	7.2	7.6	7.6	8.1	8.1	8.5	8.5	8.5
140°	3.6	4.0	5.4	5.8	6.3	6.7	7.2	7.2	7.2	7.2	7.2
142.5°	2.7	3.6	4.0	4.9	5.4	5.8	6.3	6.3	6.3	6.3	6.3
145°	2.2	2.7	3.1	4.0	4.5	4.9	5.4	5.4	5.4	5.4	5.4
147.5°	1.8	2.2	2.7	3.1	3.6	4.0	4.5	4.5	4.5	4.5	4.5
150°	1.3	1.8	2.2	2.2	2.7	3.1	3.6	4.0	4.0	4.0	4.0
152.5°	1.3	1.3	1.8	1.8	2.2	2.7	3.1	3.1	3.1	3.1	3.1
155°	0.9	1.3	1.3	1.3	1.8	1.8	2.2	2.7	2.7	2.7	2.7
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: P290176

CATALOG NUMBER: 4SSRK-LC-20-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	871.2	871.2	871.2	871.2	871.2	871.2	871.2	871.2	871.2	871.2	871.2
2.5°	871.2	873.0	872.1	870.7	870.3	872.5	870.3	859.9	864.0	864.4	867.6
5°	869.8	871.2	870.3	869.4	868.0	870.7	868.0	857.2	861.3	861.7	864.9
7.5°	878.8	879.3	879.3	877.0	873.4	874.8	871.2	859.0	861.3	861.3	863.5
10°	901.3	902.2	903.6	897.7	893.2	889.6	884.7	869.8	869.4	865.8	865.8
12.5°	930.6	928.3	926.1	923.4	919.8	915.3	908.1	890.5	884.7	878.8	873.0
15°	939.1	938.2	937.8	936.4	934.2	932.8	927.4	909.9	901.3	894.1	883.8
17.5°	916.6	918.4	924.3	924.7	927.4	932.8	931.9	919.8	912.1	909.0	896.4
20°	876.1	876.6	883.8	886.9	898.6	907.6	914.4	913.0	911.2	914.8	905.4
22.5°	827.5	830.7	838.3	843.3	854.5	864.9	875.7	881.5	891.0	905.8	904.0
25°	761.4	765.4	776.2	784.3	800.1	815.8	830.2	840.6	851.8	880.2	889.6
27.5°	682.2	688.5	702.4	710.5	732.6	748.8	769.5	789.7	805.5	837.9	857.2
30°	598.9	604.3	619.2	630.4	649.3	671.4	697.5	726.3	752.4	785.2	809.5
32.5°	521.1	526.9	539.1	549.0	570.1	588.6	617.4	652.9	677.2	722.7	755.1
35°	453.1	458.5	467.1	475.6	493.2	512.1	536.8	571.5	602.5	649.8	690.7
37.5°	405.4	406.3	411.3	416.2	429.3	443.7	463.0	493.6	522.4	573.3	618.3
40°	371.2	371.2	373.9	375.3	381.1	389.7	401.8	425.7	449.5	488.2	543.1
42.5°	350.1	349.2	349.2	349.6	349.2	353.2	360.4	371.7	392.8	424.8	467.5
45°	334.3	332.5	331.2	328.0	326.2	326.2	326.7	330.7	342.9	363.6	398.2
47.5°	316.8	316.3	314.1	310.5	307.3	305.1	301.5	300.1	303.7	315.4	338.8
50°	296.5	294.3	292.0	289.3	285.7	283.5	276.7	277.2	274.0	279.4	291.6
52.5°	266.8	265.0	264.1	261.9	260.5	259.6	254.2	248.8	247.5	248.4	252.9
55°	234.0	234.9	231.3	233.1	232.6	228.6	226.3	222.3	220.9	220.5	222.7
57.5°	199.8	200.7	198.4	200.2	200.2	198.0	196.6	196.6	193.5	190.8	193.9
60°	168.7	166.9	168.3	170.5	170.5	169.2	168.3	168.3	166.0	165.1	167.4
62.5°	143.5	141.7	143.1	145.3	145.8	144.9	144.0	144.0	141.3	141.3	143.1
65°	124.2	124.6	124.2	126.0	126.0	126.4	125.5	124.6	121.5	122.8	122.4
67.5°	110.2	109.8	109.8	111.6	111.1	112.0	111.1	109.8	107.5	105.7	105.3
70°	98.5	98.1	98.1	99.0	99.4	99.4	99.0	98.1	94.9	93.1	91.8
72.5°	88.2	87.7	88.2	88.6	89.1	89.5	89.1	88.2	85.5	83.2	81.0
75°	78.7	78.3	79.6	79.6	80.1	80.1	80.5	80.1	77.8	75.1	72.4
77.5°	69.3	69.7	71.1	71.5	72.4	72.9	73.3	73.3	71.1	68.8	65.2
80°	61.6	62.5	63.4	63.9	64.8	66.1	66.6	67.0	65.2	63.0	58.9
82.5°	56.2	56.7	57.6	58.0	59.4	59.8	60.3	61.2	60.3	58.0	53.5
85°	51.7	52.2	53.1	53.1	54.0	54.9	55.3	55.8	55.3	53.1	48.6
87.5°	47.7	48.1	48.6	49.0	49.5	49.9	50.4	50.8	50.4	48.1	44.1
90°	44.1	44.1	44.5	44.5	45.0	45.4	46.3	46.3	45.9	44.1	40.0
92.5°	40.0	40.5	40.5	40.9	41.4	41.8	42.3	42.3	41.8	40.0	36.4
95°	37.3	37.3	37.8	37.8	38.2	38.2	38.7	38.7	38.2	36.4	32.8
97.5°	34.2	34.2	34.2	34.2	34.6	34.6	35.1	35.1	34.6	32.8	29.7
100°	31.5	31.5	31.5	31.5	31.5	31.9	31.9	31.9	31.5	29.7	26.5
102.5°	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	28.3	27.0	23.8
105°	27.9	27.9	27.9	27.4	27.4	27.4	27.0	27.0	25.6	24.3	21.6
107.5°	26.1	26.1	26.1	25.6	25.6	25.2	24.7	24.7	23.4	22.0	19.3
110°	24.7	24.7	24.7	24.3	23.8	23.4	22.9	22.5	21.1	19.3	17.1



TEST NUMBER: P290176

CATALOG NUMBER: 4SSRK-LC-20-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	23.4	23.4	22.9	22.9	22.5	22.0	21.1	20.7	19.3	17.5	15.3
115°	21.6	21.6	21.6	21.1	20.7	20.2	19.8	18.9	17.5	15.7	13.5
117.5°	19.8	19.8	19.8	19.3	18.9	18.4	18.0	17.1	15.7	13.9	12.1
120°	18.0	18.0	18.0	17.5	17.1	16.6	16.2	15.3	13.9	12.6	10.3
122.5°	16.6	16.6	16.2	15.7	15.3	14.8	14.4	13.5	12.6	10.8	9.0
125°	14.8	14.8	14.4	14.4	13.9	13.5	13.0	12.1	10.8	9.4	8.1
127.5°	13.5	13.0	13.0	13.0	12.6	12.1	11.2	10.8	9.4	8.1	6.7
130°	11.7	11.7	11.7	11.2	11.2	10.8	9.9	9.0	8.1	7.2	5.8
132.5°	10.3	10.3	10.3	10.3	9.9	9.4	8.5	8.1	7.2	5.8	4.9
135°	9.4	9.4	9.0	9.0	8.5	8.1	7.6	6.7	5.8	4.9	4.0
137.5°	8.1	8.1	8.1	7.6	7.6	7.2	6.3	5.8	5.4	4.5	3.6
140°	7.2	7.2	6.7	6.7	6.3	6.3	5.8	4.9	4.5	3.6	3.1
142.5°	6.3	6.3	5.8	5.8	5.4	5.4	4.9	4.5	3.6	3.1	2.2
145°	5.4	5.4	4.9	4.9	4.9	4.5	4.0	3.6	3.1	2.7	2.2
147.5°	4.5	4.5	4.5	4.0	4.0	3.6	3.6	3.1	2.7	2.2	1.8
150°	4.0	4.0	3.6	3.6	3.6	3.1	2.7	2.7	2.2	1.8	1.3
152.5°	3.1	3.1	3.1	3.1	2.7	2.7	2.2	2.2	1.8	1.3	1.3
155°	2.7	2.7	2.7	2.2	2.2	2.2	1.8	1.8	1.3	1.3	0.9
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: P290176

CATALOG NUMBER: 4SSRK-LC-20-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	871.2	871.2	871.2	871.2	871.2	871.2	871.2
2.5°	866.2	865.8	869.8	869.4	864.0	872.1	877.5
5°	864.0	863.5	867.1	868.0	862.2	870.7	876.6
7.5°	862.2	861.7	865.8	867.1	861.3	868.9	875.2
10°	862.6	860.4	864.0	864.9	859.5	867.6	873.0
12.5°	865.8	860.4	861.7	861.7	856.8	864.0	869.8
15°	873.4	862.2	860.4	859.0	852.7	859.5	865.3
17.5°	882.0	866.7	860.4	855.9	848.2	854.1	860.4
20°	890.5	871.6	861.3	854.1	843.7	849.1	853.6
22.5°	894.6	876.1	862.2	851.4	838.3	841.0	846.0
25°	889.2	874.3	860.4	847.3	831.6	832.0	836.1
27.5°	869.4	865.3	856.3	843.3	826.2	823.9	827.1
30°	835.6	846.9	847.3	837.9	819.9	815.4	816.7
32.5°	788.4	813.6	828.4	826.6	810.9	804.6	805.5
35°	733.9	765.4	797.8	808.6	797.4	792.4	790.6
37.5°	668.7	711.0	754.2	780.7	778.9	775.8	774.0
40°	596.7	647.5	698.8	741.1	754.2	754.2	755.1
42.5°	519.7	579.1	635.4	688.9	719.5	726.3	729.0
45°	445.5	505.3	566.5	628.2	669.1	690.3	697.9
47.5°	378.0	438.3	496.3	563.8	618.3	645.7	657.9
50°	320.4	365.4	426.6	493.6	553.0	586.8	610.6
52.5°	272.7	307.8	361.3	423.9	483.7	530.1	552.1
55°	232.6	256.5	301.9	355.9	413.1	461.2	486.9
57.5°	198.9	217.8	248.8	293.8	342.0	389.7	417.1
60°	169.2	182.2	203.4	238.9	279.9	320.8	347.4
62.5°	143.5	152.1	166.0	192.1	224.1	256.0	280.8
65°	123.7	127.3	135.0	151.2	175.5	199.8	220.9
67.5°	104.4	106.6	112.5	122.4	134.5	152.1	166.0
70°	90.0	90.0	90.4	96.3	102.6	113.8	123.7
72.5°	78.3	76.9	74.2	75.6	76.9	83.2	89.5
75°	68.8	65.7	61.2	59.4	58.5	59.4	63.0
77.5°	60.7	56.2	50.8	46.3	42.7	41.4	44.5
80°	54.0	48.6	42.3	36.4	30.6	27.4	28.8
82.5°	48.6	41.8	35.1	28.3	21.6	17.1	17.1
85°	42.7	36.4	29.2	22.0	15.3	9.4	8.5
87.5°	38.7	31.9	24.3	17.5	10.8	4.9	2.7
90°	34.6	27.9	20.7	13.9	7.6	2.2	0.0
92.5°	31.0	24.7	18.0	11.2	5.4	1.3	0.0
95°	27.9	22.0	15.3	9.4	4.5	0.9	0.4
97.5°	24.7	19.3	13.5	7.6	3.1	0.9	0.4
100°	22.5	17.1	11.7	6.3	2.7	0.4	0.4
102.5°	19.8	15.3	9.9	5.4	2.2	0.4	0.4
105°	17.5	13.5	8.5	4.5	1.8	0.4	0.4
107.5°	15.7	11.7	7.6	4.0	1.8	0.4	0.4
110°	13.9	10.3	6.7	3.6	1.3	0.4	0.4



TEST NUMBER: P290176

CATALOG NUMBER: 4SSRK-LC-20-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	12.6	9.0	5.8	3.1	0.9	0.4	0.4
115°	10.8	8.1	4.9	2.7	0.9	0.4	0.4
117.5°	9.4	6.7	4.5	2.2	0.9	0.4	0.4
120°	8.1	5.8	3.6	1.8	0.4	0.4	0.4
122.5°	7.2	4.9	3.1	1.8	0.4	0.4	0.4
125°	6.3	4.5	2.7	1.3	0.4	0.4	0.4
127.5°	5.4	3.6	2.2	0.9	0.4	0.4	0.4
130°	4.5	3.1	1.8	0.9	0.4	0.4	0.4
132.5°	3.6	2.7	1.8	0.9	0.4	0.4	0.4
135°	3.1	2.2	1.3	0.9	0.4	0.4	0.4
137.5°	2.7	1.8	0.9	0.9	0.9	0.4	0.4
140°	2.2	1.3	0.9	0.9	0.9	0.9	0.4
142.5°	1.8	1.3	0.9	0.9	0.9	0.9	0.4
145°	1.3	0.9	0.9	0.9	0.9	0.9	0.4
147.5°	1.3	0.9	0.9	0.9	0.9	0.9	0.4
150°	0.9	0.9	0.9	0.9	0.9	0.9	0.9
152.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9
155°	0.9	0.9	0.9	0.9	0.9	0.9	0.9
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)