

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: P290178

Luminaire Tested: **4SSRK-LC-20-L840-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: P290178
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-L840-CD1-U
Description: 2000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH ROUND CLEAR LENS AND 80 CRI 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2148.5 lumens
Efficiency: N/A
Efficacy: 156.8 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

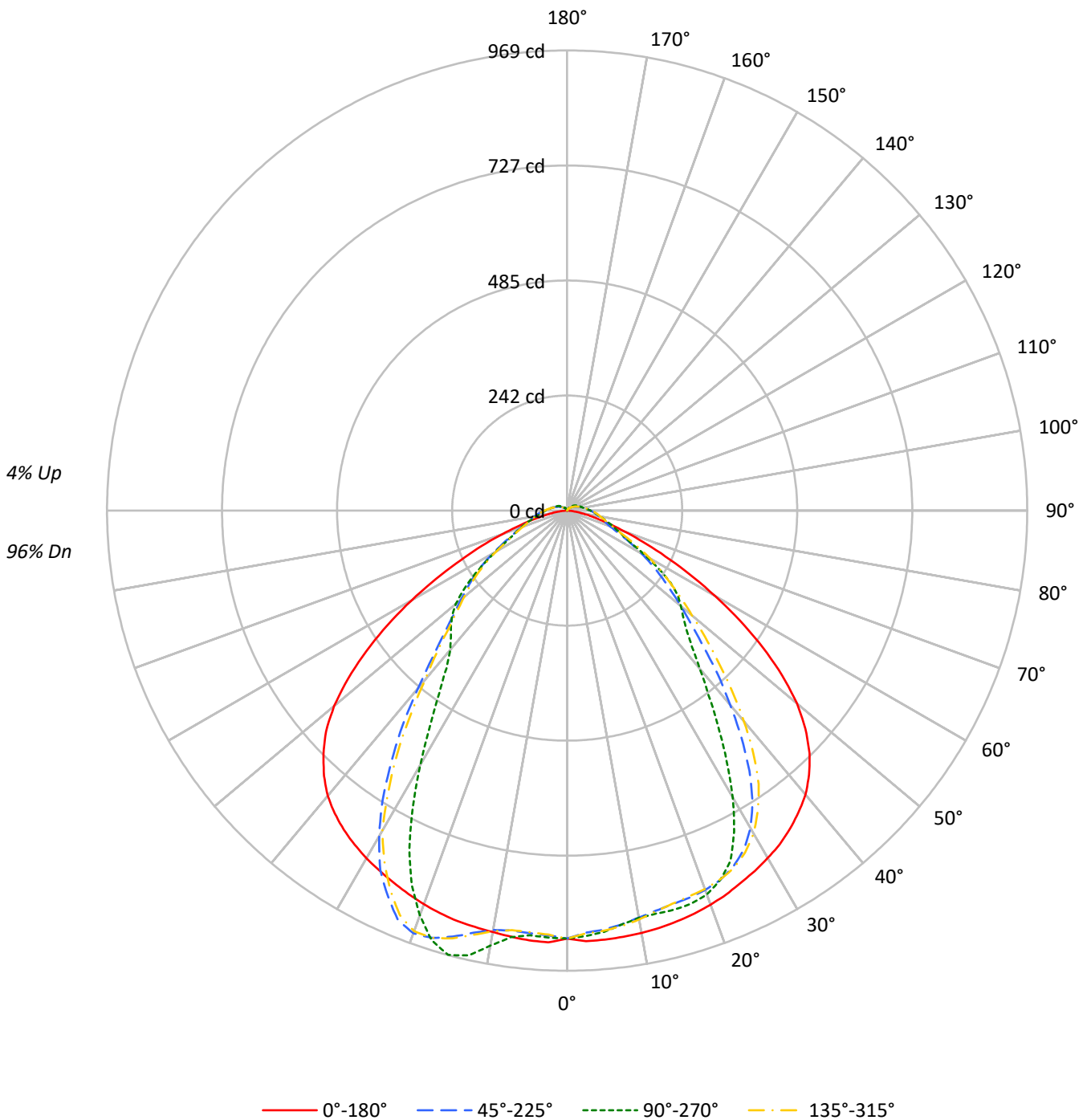
Input Watts (W): 13.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P290178

CATALOG NUMBER: 4SSRK-LC-20-L840-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P290178

CATALOG NUMBER: 4SSRK-LC-20-L840-CD1-U

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°	58202	58202	58202	58202
5°	58574	42765	58697	43101
10°	58793	33495	58669	35768
15°	59193	28080	59160	31262
20°	59787	24076	59726	25377
25°	60458	20237	60430	19556
30°	61527	15724	61564	13931
35°	62656	11492	62832	9724
40°	63628	8405	63896	7406
45°	63305	6488	63630	6319
50°	60466	5450	61318	5328
55°	53530	4467	54869	4061
60°	43298	3110	45599	2851
65°	32068	2154	34551	2042
70°	21687	1671	24449	1599
75°	14080	1343	16391	1269
80°	8965	1096	10499	1008
85°	4417	937	5823	856



TEST NUMBER: P290178

CATALOG NUMBER: 4SSRK-LC-20-L840-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.6	4.0
10°-20°	254.7	11.9
20°-30°	387.2	18.0
30°-40°	415.4	19.3
40°-50°	360.5	16.8
50°-60°	267.2	12.4
60°-70°	153.1	7.1
70°-80°	84.8	3.9
80°-90°	51.6	2.4
90°-100°	33.6	1.6
100°-110°	22.5	1.0
110°-120°	15.2	0.7
120°-130°	9.3	0.4
130°-140°	4.9	0.2
140°-150°	2.2	0.1
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	727.6	33.9
0°-40°	1143.0	53.2
0°-60°	1770.7	82.4
0°-90°	2060.2	95.9
90°-120°	71.2	3.3
90°-150°	87.7	4.1
90°-180°	88.0	4.1
0°-180°	2148.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	901	901	901	901	901	
5°	907	890	909	898	907	86
15°	895	870	895	969	895	253
25°	865	814	864	786	865	400
35°	818	554	820	469	818	512
45°	722	355	726	346	722	553
55°	504	266	516	242	504	447
65°	229	135	246	128	229	230
75°	65	86	76	81	65	74
85°	9	59	12	54	9	12
90°	0	49	1	46	0	0
95°	0	40	0	39	0	0
105°	0	30	0	29	0	1
115°	0	25	0	22	0	0
125°	0	19	0	15	0	0
135°	0	12	0	10	0	0
145°	0	7	1	6	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: P290178

CATALOG NUMBER: 4SSRK-LC-20-L840-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	901.2	901.2	901.2	901.2	901.2	901.2	901.2	901.2	901.2	901.2	901.2
2.5°	907.8	905.4	904.5	902.6	904.0	909.6	905.9	899.8	900.3	889.6	895.2
5°	906.8	904.0	902.6	900.8	901.7	906.8	903.1	897.1	896.6	885.9	891.0
7.5°	905.4	902.6	900.3	898.9	899.4	903.6	898.9	891.9	890.5	878.9	883.6
10°	903.1	901.2	898.0	895.7	895.2	899.8	892.4	885.4	882.2	870.1	874.7
12.5°	899.8	897.1	893.8	889.6	889.1	891.9	885.9	876.1	872.8	863.1	868.2
15°	895.2	891.9	888.2	883.6	881.2	883.1	875.6	866.8	866.3	857.9	864.9
17.5°	890.1	885.4	881.2	874.7	871.4	872.8	866.8	858.9	859.8	854.7	862.6
20°	883.1	878.0	871.4	864.9	860.3	862.6	858.4	852.4	853.8	850.0	857.0
22.5°	875.2	868.2	860.3	852.8	849.1	852.4	849.1	844.0	844.4	842.1	846.3
25°	864.9	857.0	847.7	838.4	836.5	838.9	837.0	832.8	830.9	827.2	829.1
27.5°	855.6	846.8	835.1	825.4	822.1	826.8	822.6	815.6	810.5	805.3	801.6
30°	844.9	834.2	821.2	810.0	807.2	809.1	803.0	792.3	778.8	772.3	762.1
32.5°	833.3	819.3	803.0	790.4	788.6	787.2	776.0	760.7	739.7	726.7	710.8
35°	817.9	802.6	783.0	767.6	764.8	756.9	738.8	718.3	691.3	668.9	641.9
37.5°	800.7	782.5	762.1	741.6	733.7	717.8	692.2	670.8	629.8	602.8	570.3
40°	781.1	759.3	734.1	709.4	696.4	670.8	641.5	609.8	570.3	533.9	506.5
42.5°	754.1	730.9	701.1	673.6	651.3	617.3	582.8	538.1	501.8	471.1	443.2
45°	722.0	694.1	659.6	626.6	598.2	557.7	517.2	472.5	442.2	406.4	387.3
47.5°	680.6	650.3	613.6	576.8	539.5	494.8	452.5	409.7	379.4	353.8	339.8
50°	631.7	603.8	563.3	519.5	478.6	432.0	389.6	357.5	328.2	312.4	301.7
52.5°	571.2	545.1	503.7	456.2	416.6	371.0	332.4	306.3	285.4	273.7	270.0
55°	503.7	480.9	439.9	395.7	355.2	313.3	284.0	261.2	247.7	240.7	241.1
57.5°	431.5	413.8	375.2	335.6	297.5	265.8	239.3	221.1	210.9	210.4	211.8
60°	359.4	346.3	312.8	278.8	245.3	219.7	200.2	187.6	181.1	181.6	181.1
62.5°	290.5	278.4	254.2	226.2	199.7	182.5	164.8	159.7	154.1	153.6	153.6
65°	228.6	219.3	199.7	179.7	159.7	148.5	139.7	133.6	129.4	128.5	128.9
67.5°	171.8	168.1	154.6	141.1	128.5	121.5	114.1	112.7	109.4	109.4	110.3
70°	128.0	125.2	117.8	109.9	104.7	100.1	96.4	96.4	95.9	95.4	97.8
72.5°	92.6	93.1	90.8	84.7	84.3	83.3	82.4	83.8	84.3	85.7	88.4
75°	65.2	66.6	66.6	65.6	67.5	69.8	71.2	73.6	76.3	78.2	81.5
77.5°	46.1	46.1	48.4	51.2	54.9	59.1	62.8	66.1	69.8	72.2	74.9
80°	29.8	31.2	34.9	40.0	45.2	50.7	55.9	60.1	63.8	67.5	69.4
82.5°	17.7	20.0	24.7	31.2	37.7	44.7	49.8	54.9	59.1	62.8	64.2
85°	8.8	12.1	17.7	24.7	31.7	39.1	45.6	50.3	54.9	58.2	60.1
87.5°	2.8	6.5	12.6	19.1	26.5	34.0	41.0	46.1	50.3	53.1	54.9
90°	0.0	3.3	8.8	15.8	22.8	30.3	36.8	42.4	46.6	48.9	50.3
92.5°	0.0	1.9	7.0	13.0	19.6	27.0	33.5	38.6	42.4	44.7	45.6
95°	0.5	1.4	5.1	10.7	17.2	24.2	30.3	34.9	38.6	41.0	41.4
97.5°	0.5	0.9	4.2	8.8	14.9	21.4	27.5	32.1	34.9	37.2	37.7
100°	0.5	0.9	3.3	7.9	13.0	19.1	24.7	28.9	32.1	34.0	34.4
102.5°	0.5	0.5	2.8	6.5	11.6	16.8	21.9	26.1	28.9	30.7	31.7
105°	0.5	0.5	2.3	5.6	10.2	14.9	19.6	23.7	26.1	27.9	28.9
107.5°	0.5	0.5	1.9	4.7	8.8	13.0	17.7	20.9	23.7	25.6	26.5
110°	0.5	0.5	1.4	4.2	7.4	11.6	15.4	18.6	21.4	23.3	24.2



TEST NUMBER: P290178

CATALOG NUMBER: 4SSRK-LC-20-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	0.5	0.5	1.4	3.7	6.5	10.2	13.5	16.8	19.1	20.9	22.3
115°	0.5	0.5	1.4	3.3	6.1	8.8	12.1	14.9	17.2	19.1	20.5
117.5°	0.5	0.5	1.4	2.8	5.1	7.9	10.7	13.5	15.4	17.2	18.6
120°	0.5	0.5	0.9	2.3	4.7	7.0	9.3	11.6	14.0	15.8	17.2
122.5°	0.5	0.5	0.9	2.3	3.7	6.1	8.4	10.2	12.6	14.0	15.4
125°	0.5	0.5	0.9	1.9	3.3	5.6	7.4	9.3	10.7	12.6	14.0
127.5°	0.5	0.5	0.9	1.9	2.8	4.7	6.5	8.4	9.8	11.2	12.1
130°	0.5	0.5	0.9	1.4	2.3	3.7	5.6	7.0	8.8	9.8	10.7
132.5°	0.5	0.5	0.5	1.4	1.9	2.8	4.2	6.1	7.4	8.8	9.3
135°	0.5	0.5	0.5	0.9	1.9	2.3	3.3	4.7	6.1	7.4	8.4
137.5°	0.5	0.5	0.5	0.9	1.4	2.3	2.8	3.7	5.1	6.1	7.4
140°	0.5	0.5	0.5	0.9	1.4	1.9	2.3	3.3	4.2	5.1	6.1
142.5°	0.5	0.5	0.5	0.9	0.9	1.4	1.9	2.8	3.3	4.2	5.1
145°	0.5	0.5	0.5	0.9	0.9	1.4	1.9	2.3	2.8	3.3	4.2
147.5°	0.5	0.5	0.5	0.9	0.9	0.9	1.4	1.9	2.3	2.8	3.3
150°	0.9	0.9	0.9	0.9	0.9	0.9	1.4	1.4	1.9	2.3	2.8
152.5°	0.9	0.9	0.9	0.9	0.9	0.9	1.4	1.4	1.4	1.9	2.3
155°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.4	1.4	1.9	1.9
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: P290178

CATALOG NUMBER: 4SSRK-LC-20-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	901.2	901.2	901.2	901.2	901.2	901.2	901.2	901.2	901.2	901.2	901.2
2.5°	893.3	894.3	899.8	899.4	898.4	897.5	897.5	896.6	897.5	899.8	898.9
5°	888.7	890.1	894.3	893.8	892.9	892.4	891.9	890.5	891.5	894.7	893.8
7.5°	880.3	881.7	885.4	883.6	882.2	883.1	880.8	879.4	881.2	884.5	884.0
10°	871.4	872.4	877.0	876.1	873.8	874.2	871.9	871.0	873.3	875.2	875.6
12.5°	865.4	868.7	872.8	872.4	871.9	872.4	870.1	869.1	870.5	872.4	871.9
15°	864.0	868.2	872.8	872.8	873.3	873.8	871.4	870.1	871.4	872.8	872.4
17.5°	862.6	867.7	871.9	871.4	871.9	872.8	869.1	868.2	870.1	871.9	871.0
20°	857.9	862.6	865.4	864.5	864.5	864.9	860.3	860.3	863.1	864.5	864.9
22.5°	844.9	850.5	850.5	848.2	848.2	846.3	844.9	842.1	845.4	847.7	849.6
25°	825.4	827.7	824.9	819.8	817.0	814.7	808.1	813.7	813.7	820.7	823.0
27.5°	797.9	792.8	784.9	774.2	771.8	764.4	760.2	761.6	763.9	773.7	781.1
30°	752.7	737.4	723.9	719.2	709.0	701.5	694.1	697.8	702.0	707.6	722.9
32.5°	693.2	678.3	656.4	648.5	637.8	628.4	619.6	625.2	632.6	636.4	653.1
35°	624.7	607.0	587.0	573.5	562.3	557.2	546.1	554.0	561.9	564.7	579.1
37.5°	552.1	533.9	516.3	504.6	493.9	490.7	483.2	488.8	494.8	499.0	511.1
40°	483.2	466.4	452.9	445.0	437.6	434.8	432.0	434.3	439.0	442.2	451.6
42.5°	424.1	410.6	401.3	396.6	391.5	387.8	388.2	389.2	391.5	398.5	402.7
45°	372.4	364.5	358.4	357.5	354.3	353.8	353.3	355.2	356.6	360.8	364.0
47.5°	331.0	327.7	326.3	328.2	329.6	327.7	328.7	331.0	333.8	333.8	333.3
50°	298.4	299.3	301.2	305.4	308.2	309.1	310.0	312.8	313.3	314.2	312.8
52.5°	271.9	272.8	277.9	284.4	287.7	289.1	290.9	293.7	293.7	294.7	292.8
55°	244.9	246.3	251.4	257.9	260.7	262.6	264.4	266.3	267.7	269.5	268.1
57.5°	215.1	219.3	222.5	224.4	226.2	227.6	229.0	229.5	232.3	232.8	235.1
60°	183.4	184.3	187.6	187.1	185.7	189.5	187.6	190.9	194.1	198.3	198.8
62.5°	153.2	153.6	155.9	155.0	156.9	156.4	157.8	157.8	160.1	162.0	164.3
65°	129.4	129.9	131.7	131.7	131.3	132.7	134.1	135.0	135.0	136.4	138.3
67.5°	111.7	113.1	115.0	115.9	116.8	116.8	118.2	118.7	119.6	120.1	121.0
70°	99.6	101.5	103.3	104.3	104.7	105.7	106.1	106.1	107.1	107.5	108.5
72.5°	90.8	92.6	94.0	94.0	95.0	95.4	95.4	95.9	96.4	97.3	98.2
75°	83.3	84.7	85.7	85.2	85.2	85.2	85.7	85.7	86.6	87.5	88.4
77.5°	76.3	77.7	77.7	76.8	76.8	76.8	76.8	77.3	77.7	78.7	79.6
80°	71.2	71.2	70.8	70.8	69.8	69.4	69.4	69.8	69.8	70.8	72.2
82.5°	65.6	65.6	65.2	64.7	64.2	63.8	63.8	64.2	64.7	65.2	66.1
85°	60.5	60.5	59.6	59.6	59.1	59.1	59.1	59.1	59.6	60.1	61.0
87.5°	55.4	54.9	54.5	54.0	54.0	54.0	54.0	54.0	54.5	55.4	55.9
90°	50.3	49.8	49.3	49.3	48.9	48.9	49.3	49.3	49.8	50.3	50.7
92.5°	45.6	45.2	44.7	44.7	44.2	44.2	44.7	44.2	45.2	45.2	45.6
95°	41.4	41.0	40.5	40.5	40.5	40.5	40.5	40.5	41.0	41.0	41.4
97.5°	37.7	37.2	36.8	36.8	37.2	36.8	37.2	37.2	37.2	37.7	38.2
100°	34.4	34.0	34.0	34.4	34.0	34.0	34.4	34.4	34.4	34.4	34.9
102.5°	31.7	31.7	31.7	31.7	31.7	31.7	32.1	32.1	32.1	32.1	32.6
105°	28.9	29.3	29.3	29.3	29.8	29.8	29.8	30.3	30.3	30.3	30.3
107.5°	27.0	27.5	27.5	27.9	27.9	28.4	28.4	28.4	28.4	28.9	28.9
110°	25.1	25.6	26.1	26.5	26.5	27.0	27.0	27.0	27.0	27.0	27.0



TEST NUMBER: P290178

CATALOG NUMBER: 4SSRK-LC-20-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	23.3	23.7	24.2	25.1	25.6	25.6	25.6	25.6	26.1	26.1	25.6
115°	21.4	22.3	22.8	23.7	24.2	24.2	24.7	24.7	24.7	24.7	24.2
117.5°	19.6	20.9	21.4	22.3	22.8	22.8	23.3	23.3	23.3	23.3	22.8
120°	18.2	19.1	20.0	20.5	20.9	21.4	21.4	21.9	21.9	21.9	21.4
122.5°	16.8	17.7	18.6	19.1	19.6	20.0	20.0	20.0	20.0	20.0	20.0
125°	14.9	15.8	16.8	17.2	17.7	18.2	18.2	18.6	18.6	18.6	18.2
127.5°	13.5	14.4	14.9	15.8	16.3	16.3	16.8	16.8	16.8	16.8	16.3
130°	11.6	12.6	13.5	14.0	14.4	14.4	14.9	14.9	14.9	14.9	14.9
132.5°	10.2	11.2	11.6	12.6	12.6	13.0	13.0	13.5	13.5	13.5	13.0
135°	9.3	9.8	10.2	11.2	11.2	11.6	11.6	11.6	11.6	11.6	11.6
137.5°	8.4	8.8	9.3	9.8	9.8	10.2	10.2	10.2	10.2	10.7	10.2
140°	7.0	7.9	8.4	8.4	8.8	8.8	8.8	9.3	9.3	9.3	8.8
142.5°	6.1	6.5	7.0	7.4	7.9	7.9	7.9	7.9	8.4	7.9	7.9
145°	4.7	5.6	6.1	6.5	7.0	7.0	7.0	7.0	7.0	7.0	7.0
147.5°	3.7	4.2	5.1	5.6	5.6	6.1	6.1	6.1	6.1	6.1	6.1
150°	3.3	3.3	4.2	4.7	5.1	5.1	5.1	5.1	5.1	5.1	5.1
152.5°	2.3	2.8	3.3	3.7	4.2	4.2	4.2	4.2	4.2	4.2	4.2
155°	2.3	2.3	2.8	2.8	3.3	3.3	3.3	3.3	3.7	3.3	3.3
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



TEST NUMBER: P290178

CATALOG NUMBER: 4SSRK-LC-20-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	901.2	901.2	901.2	901.2	901.2	901.2	901.2	901.2	901.2	901.2	901.2
2.5°	897.5	897.1	898.9	897.1	887.7	891.5	890.1	895.2	895.7	897.1	901.7
5°	892.9	892.9	895.2	893.3	884.5	888.2	887.7	892.9	893.8	894.7	899.8
7.5°	883.6	884.0	887.3	885.9	876.6	882.2	881.7	887.7	889.6	891.5	896.1
10°	874.7	874.2	878.0	876.6	867.7	874.2	873.8	879.8	882.6	885.9	891.5
12.5°	870.1	868.7	870.1	868.7	858.9	864.0	864.5	871.4	874.7	878.9	885.4
15°	870.1	867.7	867.7	864.9	853.8	857.0	857.5	862.1	866.3	870.5	878.4
17.5°	869.1	866.8	866.3	864.0	851.9	851.9	851.4	854.7	857.0	861.2	869.6
20°	864.0	863.1	862.6	861.2	850.0	848.2	847.2	847.2	848.6	850.0	858.4
22.5°	850.5	851.4	852.4	853.3	844.4	841.2	841.7	840.7	839.3	839.3	846.3
25°	825.4	830.0	833.7	837.9	832.8	830.5	833.3	831.9	829.6	827.7	833.7
27.5°	785.3	795.1	803.0	813.3	813.7	811.9	819.3	818.4	817.9	815.1	819.8
30°	729.9	745.3	756.0	770.9	783.5	785.3	797.9	799.8	801.6	800.2	804.9
32.5°	662.9	683.8	702.0	725.3	737.4	748.1	765.8	773.2	780.7	783.0	788.1
35°	589.8	613.6	635.0	660.6	679.7	702.9	724.3	735.5	752.3	758.8	766.2
37.5°	520.4	542.8	563.7	589.3	620.1	644.3	670.8	695.9	718.8	728.1	739.2
40°	459.0	477.2	497.2	519.5	547.4	579.1	608.0	642.9	669.9	688.5	704.8
42.5°	412.4	421.3	438.5	458.5	480.9	513.0	542.3	581.4	614.0	640.6	667.6
45°	371.0	375.2	387.8	398.5	421.3	449.7	480.9	519.1	553.0	587.0	619.6
47.5°	335.6	340.8	346.8	353.3	369.6	393.4	420.4	454.8	488.8	528.4	565.6
50°	311.9	313.3	314.2	317.0	326.8	343.1	365.0	394.3	426.9	469.2	508.8
52.5°	290.9	290.9	288.2	286.8	290.5	300.7	313.3	334.2	367.8	406.9	448.8
55°	268.6	264.4	263.5	258.8	259.8	264.4	270.5	286.8	314.2	347.7	388.2
57.5°	237.4	235.6	235.6	233.7	230.0	232.3	233.7	245.3	264.9	293.7	329.1
60°	201.6	200.6	203.0	203.4	200.2	201.6	201.1	208.1	222.1	245.3	274.7
62.5°	165.7	169.9	170.4	172.2	170.4	169.9	172.2	178.3	185.3	203.0	225.8
65°	139.2	141.5	142.0	144.3	143.4	143.4	145.2	149.9	154.1	166.2	183.9
67.5°	122.0	121.0	121.5	122.9	121.5	121.0	122.4	125.2	128.5	135.9	148.5
70°	108.5	107.5	107.5	107.5	105.7	104.3	104.7	105.7	107.1	111.3	119.2
72.5°	98.2	98.2	96.8	95.4	94.0	93.1	92.2	91.2	90.8	92.2	96.4
75°	88.9	89.4	88.9	87.5	85.7	83.8	81.9	80.1	77.7	76.8	77.3
77.5°	80.5	81.0	81.5	81.0	79.1	76.8	74.0	71.2	68.0	64.7	62.8
80°	73.1	74.0	74.5	74.0	72.6	70.8	67.5	64.2	59.6	55.4	50.7
82.5°	66.6	68.0	68.4	68.4	67.5	65.6	61.9	58.2	53.1	47.5	41.4
85°	61.4	62.4	63.3	63.3	62.8	61.0	57.3	53.1	47.9	41.4	34.9
87.5°	56.3	56.8	57.7	58.7	57.7	55.9	52.6	47.9	42.8	36.3	28.9
90°	51.2	51.7	52.6	53.5	53.1	51.2	48.4	44.2	38.6	31.7	24.2
92.5°	46.1	47.0	47.5	47.9	48.4	47.0	44.7	40.5	34.9	27.9	20.9
95°	42.4	42.4	43.3	43.8	44.2	42.8	41.0	36.8	31.7	25.1	18.2
97.5°	38.6	38.6	39.6	39.6	40.0	39.1	37.2	33.5	28.4	22.3	15.4
100°	34.9	35.4	35.8	36.3	36.3	35.8	34.0	30.3	25.6	20.0	13.5
102.5°	32.6	32.6	33.1	33.1	33.5	32.6	30.7	27.5	22.8	17.7	11.6
105°	30.3	30.3	30.7	30.7	30.3	29.3	27.5	24.7	20.5	15.4	10.2
107.5°	28.4	28.4	28.4	28.4	27.9	27.0	25.1	21.9	18.2	14.0	9.3
110°	27.0	26.5	26.5	26.1	25.6	24.2	22.3	19.6	16.3	12.1	7.9



TEST NUMBER: P290178

CATALOG NUMBER: 4SSRK-LC-20-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	25.6	25.1	24.7	24.2	23.3	21.9	20.0	17.7	14.4	10.7	7.0
115°	24.2	23.7	23.3	22.3	21.4	20.0	18.2	15.8	12.6	9.3	6.1
117.5°	22.8	22.3	21.4	20.5	19.6	18.2	16.3	14.0	11.2	8.4	5.6
120°	20.9	20.5	20.0	19.1	18.2	16.3	14.4	12.6	9.8	7.4	4.7
122.5°	19.6	19.1	18.2	17.7	16.3	14.9	13.0	11.2	8.8	6.5	4.2
125°	17.7	17.2	16.8	15.8	14.9	13.0	11.6	9.8	7.9	5.6	3.3
127.5°	16.3	15.8	14.9	14.0	13.0	11.6	10.2	8.8	7.0	4.7	3.3
130°	14.4	14.0	13.5	12.6	11.6	10.2	9.3	7.4	6.1	4.2	2.8
132.5°	12.6	12.6	12.1	11.2	10.2	9.3	7.9	6.5	5.1	3.7	2.3
135°	11.6	11.2	10.7	9.8	9.3	7.9	7.0	5.6	4.2	3.3	1.9
137.5°	10.2	9.8	9.3	8.8	7.9	7.0	6.1	4.7	3.7	2.8	1.9
140°	8.8	8.4	8.4	7.4	7.0	6.1	5.1	4.2	3.3	2.3	1.4
142.5°	7.9	7.4	7.0	6.5	6.1	5.1	4.2	3.3	2.8	1.9	1.4
145°	7.0	6.5	6.1	5.6	5.1	4.2	3.7	2.8	2.3	1.9	1.4
147.5°	5.6	5.6	5.1	4.7	4.2	3.7	3.3	2.8	1.9	1.4	0.9
150°	4.7	4.7	4.2	3.7	3.7	3.3	2.8	2.3	1.9	1.4	0.9
152.5°	4.2	3.7	3.7	3.3	3.3	2.8	2.3	1.9	1.4	1.4	0.9
155°	3.3	3.3	3.3	2.8	2.8	2.3	1.9	1.9	1.4	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: P290178

CATALOG NUMBER: 4SSRK-LC-20-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	901.2	901.2	901.2	901.2	901.2	901.2	901.2	901.2	901.2	901.2	901.2
2.5°	902.6	897.1	901.7	910.1	909.2	908.2	907.3	909.2	915.2	911.9	906.8
5°	901.2	895.7	900.8	908.7	908.2	906.8	905.9	907.8	913.8	910.6	905.0
7.5°	898.4	893.3	897.1	905.0	905.0	904.0	903.1	905.0	910.6	907.8	902.2
10°	893.8	890.1	893.8	901.2	901.7	899.8	898.9	901.2	906.8	905.4	900.8
12.5°	890.1	886.3	890.5	898.0	898.4	896.6	895.2	898.0	905.4	906.4	905.0
15°	884.9	881.7	886.8	894.7	894.7	893.3	893.3	897.1	907.3	911.5	913.8
17.5°	877.5	875.2	881.2	889.1	889.6	888.7	889.1	896.6	910.1	920.3	926.8
20°	868.2	867.3	873.8	882.2	883.6	884.0	886.3	897.5	916.1	930.1	936.6
22.5°	857.0	857.5	864.9	873.8	875.6	877.0	881.7	897.5	920.8	935.7	938.5
25°	844.4	845.8	853.8	864.5	866.8	869.6	877.5	898.0	922.2	932.0	927.3
27.5°	830.9	833.7	844.0	855.2	857.9	862.6	872.8	895.2	915.7	916.1	898.9
30°	817.0	820.2	832.3	845.4	850.0	854.7	867.3	888.7	899.8	884.9	854.7
32.5°	801.2	805.8	817.9	833.7	839.3	845.4	857.9	876.1	871.9	839.8	796.5
35°	781.1	787.7	801.6	820.2	825.4	833.3	842.1	846.3	827.7	782.1	733.2
37.5°	756.5	766.2	782.5	803.9	809.5	814.7	817.0	805.3	768.1	718.8	668.0
40°	728.1	743.0	760.7	784.4	790.0	790.0	781.6	756.9	709.9	645.2	588.9
42.5°	693.6	711.8	734.1	757.9	763.4	756.9	736.9	693.6	640.1	567.9	508.3
45°	651.7	675.9	701.1	725.7	728.5	714.1	678.3	623.3	557.2	490.2	433.4
47.5°	601.9	633.6	661.0	689.0	685.2	661.0	613.1	550.7	480.9	417.6	371.9
50°	546.1	583.3	614.0	640.6	632.6	599.1	542.8	477.6	408.3	354.3	316.6
52.5°	486.5	529.3	560.0	581.4	570.7	530.7	468.8	406.4	349.6	300.3	275.1
55°	424.6	467.8	499.5	516.3	502.3	459.0	398.0	341.2	287.7	255.6	240.7
57.5°	364.5	405.0	434.8	448.3	430.6	387.3	331.0	283.0	244.4	217.4	209.9
60°	306.8	339.8	368.2	378.5	359.4	319.3	270.9	232.8	204.4	185.7	182.0
62.5°	253.2	280.2	302.6	310.5	291.9	260.7	218.8	190.4	170.4	161.1	156.4
65°	209.0	224.8	247.7	246.3	235.1	206.2	175.5	155.5	142.4	136.4	133.6
67.5°	164.3	178.8	193.2	195.1	181.1	161.1	141.1	126.6	119.6	116.4	115.0
70°	127.1	137.8	146.6	144.3	136.9	124.3	111.7	103.8	101.0	99.6	99.6
72.5°	98.7	104.3	108.5	105.7	101.0	94.5	88.4	85.2	85.7	86.6	87.5
75°	76.3	77.7	78.7	75.9	74.9	70.8	70.3	70.8	73.6	76.3	77.7
77.5°	58.7	56.8	55.4	52.6	53.1	52.6	54.9	58.7	62.8	67.0	70.8
80°	45.2	41.0	37.7	34.9	36.3	38.6	43.3	48.9	54.5	59.1	63.8
82.5°	34.9	28.9	24.2	21.4	24.2	27.9	34.0	41.0	47.5	52.6	57.7
85°	27.0	20.0	14.4	11.6	14.4	20.0	26.5	34.4	41.4	47.0	52.1
87.5°	20.9	14.4	7.9	4.7	7.9	14.0	21.4	28.9	35.8	42.4	47.5
90°	16.8	9.8	3.7	0.9	4.2	9.8	16.8	24.2	31.2	38.2	43.3
92.5°	13.5	7.0	1.9	0.0	2.3	7.4	14.0	20.9	27.9	34.4	39.6
95°	11.2	5.6	1.4	0.0	1.9	5.6	11.2	18.2	24.7	31.2	35.4
97.5°	9.3	4.2	0.9	0.0	0.9	4.7	9.3	15.4	21.9	27.9	32.1
100°	7.9	3.7	0.9	0.0	0.9	3.7	7.9	13.5	19.1	24.7	28.9
102.5°	6.5	2.8	0.5	0.5	0.5	2.8	7.0	11.6	16.8	21.9	26.1
105°	6.1	2.3	0.5	0.5	0.5	2.3	6.1	10.2	14.9	19.6	23.3
107.5°	5.1	1.9	0.5	0.5	0.5	1.9	5.1	8.8	13.5	17.7	20.9
110°	4.2	1.9	0.5	0.5	0.5	1.9	4.2	7.9	11.6	15.4	18.6



TEST NUMBER: P290178

CATALOG NUMBER: 4SSRK-LC-20-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	3.7	1.4	0.5	0.5	0.5	1.4	3.7	7.0	10.2	14.0	16.8
115°	3.3	1.4	0.5	0.5	0.5	1.4	3.3	6.1	8.8	12.1	14.9
117.5°	2.8	1.4	0.5	0.5	0.5	0.9	2.8	5.1	7.9	10.7	13.5
120°	2.3	0.9	0.5	0.5	0.5	0.9	2.3	4.7	7.0	9.3	11.6
122.5°	2.3	0.9	0.5	0.5	0.5	0.9	1.9	3.7	6.1	7.9	10.2
125°	1.9	0.9	0.5	0.5	0.5	0.5	1.9	3.3	5.1	7.0	8.8
127.5°	1.9	0.9	0.5	0.5	0.5	0.5	1.4	2.8	4.2	6.1	7.9
130°	1.4	0.9	0.5	0.5	0.5	0.5	0.9	2.3	3.7	5.1	6.5
132.5°	1.4	0.9	0.5	0.5	0.5	0.5	0.9	1.9	2.8	4.2	5.6
135°	1.4	0.5	0.5	0.5	0.5	0.5	0.5	1.4	2.3	3.3	4.2
137.5°	0.9	0.5	0.5	0.5	0.5	0.5	0.5	0.9	1.9	2.3	3.7
140°	0.9	0.5	0.5	0.5	0.5	0.5	0.5	0.9	1.4	1.9	2.8
142.5°	0.9	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.9	1.4	2.3
145°	0.9	0.5	0.5	0.9	0.9	0.5	0.5	0.9	0.9	1.4	1.9
147.5°	0.9	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.9	0.9	1.4
150°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.4
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: P290178

CATALOG NUMBER: 4SSRK-LC-20-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	901.2	901.2	901.2	901.2	901.2	901.2	901.2	901.2	901.2	901.2	901.2
2.5°	905.9	895.2	900.8	898.9	900.8	905.4	905.0	903.6	904.5	902.2	899.8
5°	904.0	893.3	898.9	896.6	898.9	903.6	902.6	901.2	902.6	899.8	897.5
7.5°	901.7	891.9	898.4	898.0	902.2	908.2	908.7	908.7	911.9	907.8	905.9
10°	901.7	896.6	905.4	908.7	919.4	927.3	928.2	930.1	935.7	934.8	930.1
12.5°	911.5	910.6	923.6	931.5	941.3	952.4	958.5	960.4	964.1	961.3	959.4
15°	924.1	928.7	943.1	952.0	962.7	971.1	972.5	973.4	976.2	972.0	968.7
17.5°	940.8	943.6	955.2	959.0	965.9	967.3	965.5	960.8	960.8	951.5	948.7
20°	948.7	947.3	952.0	945.9	943.1	934.8	926.8	918.0	917.5	907.8	906.8
22.5°	941.7	932.4	922.7	907.8	901.2	889.1	878.4	873.3	870.1	857.5	854.2
25°	917.1	894.3	879.8	862.1	846.3	832.3	822.1	811.4	801.2	790.9	786.3
27.5°	874.2	852.8	829.6	804.9	783.0	761.6	744.4	733.7	723.9	710.4	703.4
30°	821.6	791.8	766.2	742.5	706.7	680.6	666.2	644.7	637.3	631.2	618.2
32.5°	759.7	723.9	689.0	656.8	620.1	595.9	576.8	560.9	556.3	540.5	536.7
35°	691.3	644.3	604.7	573.1	546.5	517.2	501.4	490.7	481.3	470.6	468.8
37.5°	610.8	568.4	523.7	495.8	474.8	449.7	437.6	430.1	425.9	418.0	416.6
40°	529.8	487.4	456.7	428.7	415.7	402.2	393.4	390.1	388.2	385.4	382.7
42.5°	456.2	419.0	397.1	378.5	372.9	366.4	364.0	365.9	364.0	363.1	362.6
45°	393.8	365.4	350.1	344.5	343.1	341.2	343.1	346.3	346.8	345.9	345.9
47.5°	337.0	323.5	317.0	317.9	320.3	321.7	324.9	329.1	330.1	327.7	328.7
50°	299.8	291.9	290.5	294.2	299.3	301.2	304.9	308.2	307.7	306.8	305.8
52.5°	264.9	262.6	266.3	270.0	275.6	276.5	277.9	279.3	278.8	277.0	276.1
55°	235.6	237.4	240.7	242.1	246.3	245.8	246.3	246.3	244.4	243.5	242.1
57.5°	209.0	209.5	211.3	211.8	214.1	213.2	212.7	211.8	209.0	208.6	207.2
60°	182.0	181.1	185.3	182.0	183.9	182.0	181.6	179.2	176.4	176.0	175.0
62.5°	156.4	154.6	157.3	155.9	156.9	155.0	154.1	151.3	149.0	148.5	148.0
65°	133.6	132.7	135.5	135.0	135.9	133.6	132.7	130.8	128.9	128.5	128.0
67.5°	114.5	116.8	118.2	118.2	119.2	118.7	116.4	115.9	115.4	113.6	113.6
70°	100.6	101.9	104.7	105.2	104.7	105.7	103.8	103.3	102.9	101.9	101.5
72.5°	89.4	91.2	94.0	94.5	94.0	94.0	93.1	92.6	92.6	91.2	91.2
75°	80.5	82.9	85.2	85.2	85.2	84.3	83.3	83.3	82.4	81.9	81.0
77.5°	73.1	75.9	77.7	77.3	76.8	75.9	75.9	74.5	73.1	73.1	72.2
80°	67.5	69.4	70.8	70.3	69.8	68.4	68.0	66.6	65.6	64.2	64.2
82.5°	61.4	63.8	64.7	64.2	63.3	61.9	61.4	60.5	59.6	59.1	58.2
85°	56.3	58.7	59.1	58.2	57.3	56.3	55.9	55.4	54.9	54.0	54.0
87.5°	51.2	53.5	53.5	53.1	52.1	51.7	51.2	50.7	50.3	49.8	49.3
90°	47.0	48.9	48.9	48.4	47.9	47.5	47.0	46.6	46.1	45.6	45.6
92.5°	42.8	44.7	44.7	44.2	43.8	43.3	43.3	42.8	42.4	41.9	41.4
95°	39.1	41.0	41.0	41.0	40.5	40.0	40.0	39.6	39.1	39.1	38.6
97.5°	35.4	37.2	37.2	37.2	36.8	36.3	36.3	35.8	35.8	35.8	35.4
100°	32.1	33.5	34.0	34.0	33.5	33.5	33.5	33.1	33.1	33.1	32.6
102.5°	28.9	30.3	31.2	31.2	31.2	30.7	30.7	30.7	30.7	30.7	30.3
105°	26.1	27.5	28.4	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
107.5°	23.7	25.1	26.1	26.5	27.0	27.0	27.5	27.5	27.5	27.5	27.5
110°	21.4	22.8	24.2	24.7	25.1	25.6	25.6	26.1	25.6	25.6	25.6



TEST NUMBER: P290178

CATALOG NUMBER: 4SSRK-LC-20-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	19.1	20.9	21.9	22.8	23.3	23.7	24.2	24.2	24.2	24.2	24.2
115°	17.2	19.1	20.0	20.9	21.9	22.3	22.3	22.8	22.8	22.8	22.3
117.5°	15.4	17.2	18.2	19.1	19.6	20.5	20.9	20.9	20.9	20.9	20.5
120°	14.0	15.4	16.3	17.2	18.2	18.6	19.1	19.1	19.1	19.1	19.1
122.5°	12.1	13.5	14.9	15.8	16.3	16.8	17.2	17.2	17.2	17.2	17.2
125°	10.7	12.1	13.0	14.0	14.4	15.4	15.4	15.4	15.4	15.4	15.4
127.5°	9.3	10.7	11.6	12.6	13.0	13.5	14.0	14.0	14.0	14.0	14.0
130°	7.9	9.3	10.2	11.2	11.6	12.1	12.1	12.6	12.6	12.6	12.6
132.5°	7.0	7.9	8.8	9.8	10.2	10.7	10.7	11.2	11.2	11.2	11.2
135°	5.6	7.0	7.4	8.4	8.8	9.3	9.3	9.8	9.8	9.8	9.8
137.5°	4.7	5.6	6.5	7.4	7.9	7.9	8.4	8.4	8.8	8.8	8.8
140°	3.7	4.2	5.6	6.1	6.5	7.0	7.4	7.4	7.4	7.4	7.4
142.5°	2.8	3.7	4.2	5.1	5.6	6.1	6.5	6.5	6.5	6.5	6.5
145°	2.3	2.8	3.3	4.2	4.7	5.1	5.6	5.6	5.6	5.6	5.6
147.5°	1.9	2.3	2.8	3.3	3.7	4.2	4.7	4.7	4.7	4.7	4.7
150°	1.4	1.9	2.3	2.3	2.8	3.3	3.7	4.2	4.2	4.2	4.2
152.5°	1.4	1.4	1.9	1.9	2.3	2.8	3.3	3.3	3.3	3.3	3.3
155°	0.9	1.4	1.4	1.4	1.9	1.9	2.3	2.8	2.8	2.8	2.8
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



TEST NUMBER: P290178

CATALOG NUMBER: 4SSRK-LC-20-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	901.2	901.2	901.2	901.2	901.2	901.2	901.2	901.2	901.2	901.2	901.2
2.5°	901.2	903.1	902.2	900.8	900.3	902.6	900.3	889.6	893.8	894.3	897.5
5°	899.8	901.2	900.3	899.4	898.0	900.8	898.0	886.8	891.0	891.5	894.7
7.5°	909.2	909.6	909.6	907.3	903.6	905.0	901.2	888.7	891.0	891.0	893.3
10°	932.4	933.4	934.8	928.7	924.1	920.3	915.2	899.8	899.4	895.7	895.7
12.5°	962.7	960.4	958.0	955.2	951.5	946.9	939.4	921.3	915.2	909.2	903.1
15°	971.5	970.6	970.1	968.7	966.4	965.0	959.4	941.3	932.4	925.0	914.3
17.5°	948.3	950.1	956.2	956.6	959.4	965.0	964.1	951.5	943.6	940.3	927.3
20°	906.4	906.8	914.3	917.5	929.6	938.9	945.9	944.5	942.7	946.4	936.6
22.5°	856.1	859.3	867.3	872.4	884.0	894.7	905.9	911.9	921.7	937.1	935.2
25°	787.7	791.8	803.0	811.4	827.7	844.0	858.9	869.6	881.2	910.6	920.3
27.5°	705.7	712.2	726.7	735.1	757.9	774.6	796.0	817.0	833.3	866.8	886.8
30°	619.6	625.2	640.6	652.2	671.7	694.6	721.6	751.3	778.3	812.3	837.5
32.5°	539.1	545.1	557.7	567.9	589.8	608.9	638.7	675.5	700.6	747.6	781.1
35°	468.8	474.4	483.2	492.1	510.2	529.8	555.4	591.2	623.3	672.2	714.6
37.5°	419.4	420.4	425.5	430.6	444.1	459.0	479.0	510.7	540.5	593.1	639.6
40°	384.1	384.1	386.8	388.2	394.3	403.1	415.7	440.4	465.1	505.1	561.9
42.5°	362.2	361.2	361.2	361.7	361.2	365.4	372.9	384.5	406.4	439.4	483.7
45°	345.9	344.0	342.6	339.4	337.5	337.5	338.0	342.2	354.7	376.1	412.0
47.5°	327.7	327.3	324.9	321.2	317.9	315.6	311.9	310.5	314.2	326.3	350.5
50°	306.8	304.4	302.1	299.3	295.6	293.3	286.3	286.8	283.5	289.1	301.7
52.5°	276.1	274.2	273.3	270.9	269.5	268.6	263.0	257.4	256.0	257.0	261.6
55°	242.1	243.0	239.3	241.1	240.7	236.5	234.2	230.0	228.6	228.1	230.4
57.5°	206.7	207.6	205.3	207.2	207.2	204.8	203.4	203.4	200.2	197.4	200.6
60°	174.6	172.7	174.1	176.4	176.4	175.0	174.1	174.1	171.8	170.8	173.2
62.5°	148.5	146.6	148.0	150.4	150.8	149.9	149.0	149.0	146.2	146.2	148.0
65°	128.5	128.9	128.5	130.3	130.3	130.8	129.9	128.9	125.7	127.1	126.6
67.5°	114.1	113.6	113.6	115.4	115.0	115.9	115.0	113.6	111.3	109.4	108.9
70°	101.9	101.5	101.5	102.4	102.9	102.9	102.4	101.5	98.2	96.4	95.0
72.5°	91.2	90.8	91.2	91.7	92.2	92.6	92.2	91.2	88.4	86.1	83.8
75°	81.5	81.0	82.4	82.4	82.9	82.9	83.3	82.9	80.5	77.7	74.9
77.5°	71.7	72.2	73.6	74.0	74.9	75.4	75.9	75.9	73.6	71.2	67.5
80°	63.8	64.7	65.6	66.1	67.0	68.4	68.9	69.4	67.5	65.2	61.0
82.5°	58.2	58.7	59.6	60.1	61.4	61.9	62.4	63.3	62.4	60.1	55.4
85°	53.5	54.0	54.9	54.9	55.9	56.8	57.3	57.7	57.3	54.9	50.3
87.5°	49.3	49.8	50.3	50.7	51.2	51.7	52.1	52.6	52.1	49.8	45.6
90°	45.6	45.6	46.1	46.1	46.6	47.0	47.9	47.9	47.5	45.6	41.4
92.5°	41.4	41.9	41.9	42.4	42.8	43.3	43.8	43.8	43.3	41.4	37.7
95°	38.6	38.6	39.1	39.1	39.6	39.6	40.0	40.0	39.6	37.7	34.0
97.5°	35.4	35.4	35.4	35.4	35.8	35.8	36.3	36.3	35.8	34.0	30.7
100°	32.6	32.6	32.6	32.6	32.6	33.1	33.1	33.1	32.6	30.7	27.5
102.5°	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	29.3	27.9	24.7
105°	28.9	28.9	28.9	28.4	28.4	28.4	27.9	27.9	26.5	25.1	22.3
107.5°	27.0	27.0	27.0	26.5	26.5	26.1	25.6	25.6	24.2	22.8	20.0
110°	25.6	25.6	25.6	25.1	24.7	24.2	23.7	23.3	21.9	20.0	17.7



TEST NUMBER: P290178

CATALOG NUMBER: 4SSRK-LC-20-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	24.2	24.2	23.7	23.7	23.3	22.8	21.9	21.4	20.0	18.2	15.8
115°	22.3	22.3	22.3	21.9	21.4	20.9	20.5	19.6	18.2	16.3	14.0
117.5°	20.5	20.5	20.5	20.0	19.6	19.1	18.6	17.7	16.3	14.4	12.6
120°	18.6	18.6	18.6	18.2	17.7	17.2	16.8	15.8	14.4	13.0	10.7
122.5°	17.2	17.2	16.8	16.3	15.8	15.4	14.9	14.0	13.0	11.2	9.3
125°	15.4	15.4	14.9	14.9	14.4	14.0	13.5	12.6	11.2	9.8	8.4
127.5°	14.0	13.5	13.5	13.5	13.0	12.6	11.6	11.2	9.8	8.4	7.0
130°	12.1	12.1	12.1	11.6	11.6	11.2	10.2	9.3	8.4	7.4	6.1
132.5°	10.7	10.7	10.7	10.7	10.2	9.8	8.8	8.4	7.4	6.1	5.1
135°	9.8	9.8	9.3	9.3	8.8	8.4	7.9	7.0	6.1	5.1	4.2
137.5°	8.4	8.4	8.4	7.9	7.9	7.4	6.5	6.1	5.6	4.7	3.7
140°	7.4	7.4	7.0	7.0	6.5	6.5	6.1	5.1	4.7	3.7	3.3
142.5°	6.5	6.5	6.1	6.1	5.6	5.6	5.1	4.7	3.7	3.3	2.3
145°	5.6	5.6	5.1	5.1	5.1	4.7	4.2	3.7	3.3	2.8	2.3
147.5°	4.7	4.7	4.7	4.2	4.2	3.7	3.7	3.3	2.8	2.3	1.9
150°	4.2	4.2	3.7	3.7	3.7	3.3	2.8	2.8	2.3	1.9	1.4
152.5°	3.3	3.3	3.3	3.3	2.8	2.8	2.3	2.3	1.9	1.4	1.4
155°	2.8	2.8	2.8	2.3	2.3	2.3	1.9	1.9	1.4	1.4	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: P290178

CATALOG NUMBER: 4SSRK-LC-20-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	901.2	901.2	901.2	901.2	901.2	901.2	901.2
2.5°	896.1	895.7	899.8	899.4	893.8	902.2	907.8
5°	893.8	893.3	897.1	898.0	891.9	900.8	906.8
7.5°	891.9	891.5	895.7	897.1	891.0	898.9	905.4
10°	892.4	890.1	893.8	894.7	889.1	897.5	903.1
12.5°	895.7	890.1	891.5	891.5	886.3	893.8	899.8
15°	903.6	891.9	890.1	888.7	882.2	889.1	895.2
17.5°	912.4	896.6	890.1	885.4	877.5	883.6	890.1
20°	921.3	901.7	891.0	883.6	872.8	878.4	883.1
22.5°	925.4	906.4	891.9	880.8	867.3	870.1	875.2
25°	919.9	904.5	890.1	876.6	860.3	860.7	864.9
27.5°	899.4	895.2	885.9	872.4	854.7	852.4	855.6
30°	864.5	876.1	876.6	866.8	848.2	843.5	844.9
32.5°	815.6	841.7	857.0	855.2	838.9	832.3	833.3
35°	759.3	791.8	825.4	836.5	824.9	819.8	817.9
37.5°	691.8	735.5	780.2	807.7	805.8	802.6	800.7
40°	617.3	669.9	722.9	766.7	780.2	780.2	781.1
42.5°	537.7	599.1	657.3	712.7	744.4	751.3	754.1
45°	460.9	522.8	586.1	649.9	692.2	714.1	722.0
47.5°	391.0	453.4	513.5	583.3	639.6	668.0	680.6
50°	331.4	378.0	441.3	510.7	572.1	607.0	631.7
52.5°	282.1	318.4	373.8	438.5	500.4	548.4	571.2
55°	240.7	265.3	312.4	368.2	427.3	477.2	503.7
57.5°	205.8	225.3	257.4	304.0	353.8	403.1	431.5
60°	175.0	188.5	210.4	247.2	289.6	331.9	359.4
62.5°	148.5	157.3	171.8	198.8	231.8	264.9	290.5
65°	128.0	131.7	139.7	156.4	181.6	206.7	228.6
67.5°	108.0	110.3	116.4	126.6	139.2	157.3	171.8
70°	93.1	93.1	93.6	99.6	106.1	117.8	128.0
72.5°	81.0	79.6	76.8	78.2	79.6	86.1	92.6
75°	71.2	68.0	63.3	61.4	60.5	61.4	65.2
77.5°	62.8	58.2	52.6	47.9	44.2	42.8	46.1
80°	55.9	50.3	43.8	37.7	31.7	28.4	29.8
82.5°	50.3	43.3	36.3	29.3	22.3	17.7	17.7
85°	44.2	37.7	30.3	22.8	15.8	9.8	8.8
87.5°	40.0	33.1	25.1	18.2	11.2	5.1	2.8
90°	35.8	28.9	21.4	14.4	7.9	2.3	0.0
92.5°	32.1	25.6	18.6	11.6	5.6	1.4	0.0
95°	28.9	22.8	15.8	9.8	4.7	0.9	0.5
97.5°	25.6	20.0	14.0	7.9	3.3	0.9	0.5
100°	23.3	17.7	12.1	6.5	2.8	0.5	0.5
102.5°	20.5	15.8	10.2	5.6	2.3	0.5	0.5
105°	18.2	14.0	8.8	4.7	1.9	0.5	0.5
107.5°	16.3	12.1	7.9	4.2	1.9	0.5	0.5
110°	14.4	10.7	7.0	3.7	1.4	0.5	0.5



TEST NUMBER: P290178

CATALOG NUMBER: 4SSRK-LC-20-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	13.0	9.3	6.1	3.3	0.9	0.5	0.5
115°	11.2	8.4	5.1	2.8	0.9	0.5	0.5
117.5°	9.8	7.0	4.7	2.3	0.9	0.5	0.5
120°	8.4	6.1	3.7	1.9	0.5	0.5	0.5
122.5°	7.4	5.1	3.3	1.9	0.5	0.5	0.5
125°	6.5	4.7	2.8	1.4	0.5	0.5	0.5
127.5°	5.6	3.7	2.3	0.9	0.5	0.5	0.5
130°	4.7	3.3	1.9	0.9	0.5	0.5	0.5
132.5°	3.7	2.8	1.9	0.9	0.5	0.5	0.5
135°	3.3	2.3	1.4	0.9	0.5	0.5	0.5
137.5°	2.8	1.9	0.9	0.9	0.9	0.5	0.5
140°	2.3	1.4	0.9	0.9	0.9	0.9	0.5
142.5°	1.9	1.4	0.9	0.9	0.9	0.9	0.5
145°	1.4	0.9	0.9	0.9	0.9	0.9	0.5
147.5°	1.4	0.9	0.9	0.9	0.9	0.9	0.5
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)