

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: P290207

Luminaire Tested: **4SSRK-LC-80-L950-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: P290207
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-80-L950-CD1-U
Description: 8000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH ROUND CLEAR LENS AND 90 CRI 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7879.3 lumens
Efficiency: N/A
Efficacy: 125.3 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

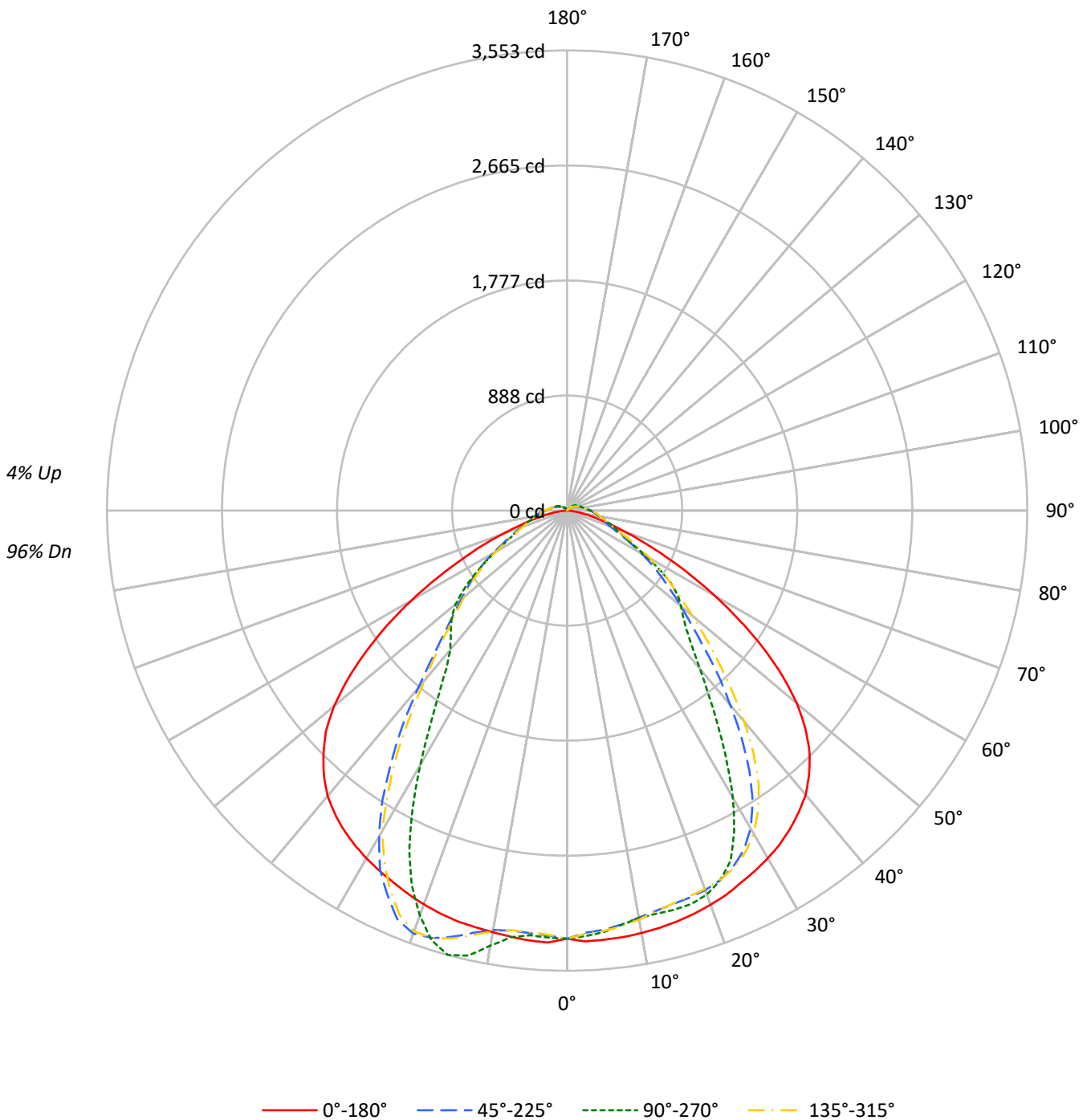
Input Watts (W): 62.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: 4SSRK-LC-80-L950-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	98	98	98	98	98	98	96		
1	109	104	100	97	106	102	98	95	97	94	91	92	90	88	88	86	84	88	86	84	88	86	84	82		
2	100	93	86	81	97	90	85	80	86	82	77	82	79	75	79	76	73	79	76	73	79	76	73	71		
3	92	83	75	69	89	81	74	68	77	71	67	74	69	65	71	67	63	71	67	63	71	67	63	61		
4	85	74	66	60	83	73	65	59	70	63	58	67	61	57	64	60	56	64	60	56	64	60	56	54		
5	79	67	59	52	76	66	58	52	63	56	51	61	55	50	59	53	49	59	53	49	59	53	49	47		
6	73	61	52	46	71	60	52	46	57	51	45	55	49	45	54	48	44	54	48	44	54	48	44	42		
7	68	55	47	42	66	54	47	41	53	46	41	51	45	40	49	44	40	49	44	40	49	44	40	38		
8	64	51	43	37	62	50	42	37	48	42	37	47	41	36	45	40	36	45	40	36	45	40	36	34		
9	60	47	39	34	58	46	39	34	45	38	33	43	37	33	42	37	33	42	37	33	42	37	33	31		
10	56	43	36	31	54	43	36	31	42	35	30	40	34	30	39	34	30	39	34	30	39	34	30	28		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	213460	213460	213460	213460
5°	214821	156840	215260	158070
10°	215614	122836	215172	131174
15°	217082	102974	216969	114653
20°	219257	88293	219026	93070
25°	221727	74219	221608	71714
30°	225647	57667	225771	51089
35°	229788	42142	230439	35662
40°	233356	30825	234333	27157
45°	232170	23794	233371	23172
50°	221755	19988	224856	19541
55°	196308	16380	201207	14892
60°	158782	11404	167215	10458
65°	117584	7899	126688	7491
70°	79548	6130	89663	5862
75°	51612	4921	60099	4654
80°	32881	4021	38506	3700
85°	16263	3439	21433	3140



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	314.0	4.0
10°-20°	934.1	11.9
20°-30°	1420.1	18.0
30°-40°	1523.5	19.3
40°-50°	1322.2	16.8
50°-60°	979.9	12.4
60°-70°	561.4	7.1
70°-80°	310.9	3.9
80°-90°	189.3	2.4
90°-100°	123.1	1.6
100°-110°	82.4	1.0
110°-120°	55.7	0.7
120°-130°	34.2	0.4
130°-140°	18.0	0.2
140°-150°	8.2	0.1
150°-160°	2.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2668.2	33.9
0°-40°	4191.7	53.2
0°-60°	6493.7	82.4
0°-90°	7555.4	95.9
90°-120°	261.2	3.3
90°-150°	321.5	4.1
90°-180°	324.0	4.1
0°-180°	7879.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3305	3305	3305	3305	3305	
5°	3326	3266	3332	3292	3326	317
15°	3283	3191	3281	3553	3283	929
25°	3172	2984	3170	2884	3172	1466
35°	3000	2032	3008	1719	3000	1878
45°	2648	1303	2662	1268	2648	2027
55°	1847	976	1893	888	1847	1638
65°	838	495	903	470	838	845
75°	239	314	278	297	239	273
85°	32	217	43	198	32	43
90°	0	181	3	167	0	1
95°	2	148	0	142	2	1
105°	2	111	2	106	2	2
115°	2	90	2	82	2	2
125°	2	68	2	56	2	2
135°	2	43	2	36	2	1
145°	2	26	3	20	2	1
155°	3	12	3	10	3	1
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	3305.2	3305.2	3305.2	3305.2	3305.2	3305.2	3305.2	3305.2	3305.2	3305.2	3305.2
2.5°	3329.1	3320.6	3317.1	3310.3	3315.4	3335.9	3322.3	3300.1	3301.8	3262.5	3283.0
5°	3325.7	3315.4	3310.3	3303.5	3306.9	3325.7	3312.0	3289.8	3288.1	3248.9	3267.6
7.5°	3320.6	3310.3	3301.8	3296.7	3298.4	3313.7	3296.7	3271.0	3265.9	3223.2	3240.3
10°	3312.0	3305.2	3293.2	3284.7	3283.0	3300.1	3272.8	3247.1	3235.2	3190.8	3207.9
12.5°	3300.1	3289.8	3277.9	3262.5	3260.8	3271.0	3248.9	3213.0	3201.0	3165.2	3184.0
15°	3283.0	3271.0	3257.4	3240.3	3231.8	3238.6	3211.3	3178.9	3177.1	3146.4	3172.0
17.5°	3264.2	3247.1	3231.8	3207.9	3195.9	3201.0	3178.9	3149.8	3153.2	3134.5	3163.5
20°	3238.6	3219.8	3195.9	3172.0	3155.0	3163.5	3148.1	3125.9	3131.1	3117.4	3143.0
22.5°	3209.6	3184.0	3155.0	3127.6	3114.0	3125.9	3114.0	3095.2	3096.9	3088.4	3103.7
25°	3172.0	3143.0	3108.9	3074.7	3067.9	3076.4	3069.6	3054.2	3047.4	3033.7	3040.6
27.5°	3137.9	3105.4	3062.8	3026.9	3015.0	3032.0	3016.7	2991.1	2972.3	2953.5	2939.8
30°	3098.6	3059.3	3011.5	2970.6	2960.3	2967.2	2945.0	2905.7	2856.2	2832.3	2794.7
32.5°	3055.9	3004.7	2945.0	2898.9	2892.0	2886.9	2845.9	2789.6	2712.8	2665.0	2606.9
35°	2999.6	2943.3	2871.6	2815.2	2805.0	2775.9	2709.4	2634.2	2535.2	2453.3	2354.3
37.5°	2936.4	2869.8	2794.7	2719.6	2690.6	2632.5	2538.6	2460.1	2309.9	2210.9	2091.4
40°	2864.7	2784.5	2692.3	2601.8	2554.0	2460.1	2352.6	2236.5	2091.4	1958.2	1857.5
42.5°	2765.7	2680.3	2571.1	2470.4	2388.4	2263.8	2137.4	1973.6	1840.4	1727.7	1625.3
45°	2647.9	2545.5	2419.1	2297.9	2193.8	2045.3	1896.7	1732.8	1621.9	1490.4	1420.4
47.5°	2496.0	2385.0	2250.1	2115.3	1978.7	1814.8	1659.4	1502.4	1391.4	1297.5	1246.3
50°	2316.7	2214.3	2065.7	1905.3	1755.0	1584.3	1428.9	1311.1	1203.6	1145.5	1106.3
52.5°	2094.8	1999.2	1847.2	1673.1	1528.0	1360.7	1219.0	1123.4	1046.5	1003.8	990.2
55°	1847.2	1763.6	1613.3	1451.1	1302.6	1149.0	1041.4	957.8	908.2	882.6	884.3
57.5°	1582.6	1517.7	1376.0	1230.9	1090.9	974.8	877.5	810.9	773.4	771.7	776.8
60°	1318.0	1270.2	1147.3	1022.6	899.7	805.8	734.1	688.0	664.1	665.8	664.1
62.5°	1065.3	1020.9	932.1	829.7	732.4	669.2	604.4	585.6	565.1	563.4	563.4
65°	838.2	804.1	732.4	659.0	585.6	544.6	512.2	490.0	474.6	471.2	472.9
67.5°	630.0	616.3	566.8	517.3	471.2	445.6	418.3	413.1	401.2	401.2	404.6
70°	469.5	459.2	431.9	402.9	384.1	367.1	353.4	353.4	351.7	350.0	358.5
72.5°	339.7	341.4	332.9	310.7	309.0	305.6	302.2	307.3	309.0	314.1	324.4
75°	239.0	244.1	244.1	240.7	247.5	256.1	261.2	269.7	280.0	286.8	298.8
77.5°	169.0	169.0	177.6	187.8	201.5	216.8	230.5	242.4	256.1	264.6	274.9
80°	109.3	114.4	128.0	146.8	165.6	186.1	204.9	220.2	233.9	247.5	254.4
82.5°	64.9	73.4	90.5	114.4	138.3	163.9	182.7	201.5	216.8	230.5	235.6
85°	32.4	44.4	64.9	90.5	116.1	143.4	167.3	184.4	201.5	213.4	220.2
87.5°	10.2	23.9	46.1	70.0	97.3	124.6	150.2	169.0	184.4	194.6	201.5
90°	0.0	12.0	32.4	58.0	83.7	111.0	134.9	155.4	170.7	179.3	184.4
92.5°	0.0	6.8	25.6	47.8	71.7	99.0	122.9	141.7	155.4	163.9	167.3
95°	1.7	5.1	18.8	39.3	63.2	88.8	111.0	128.0	141.7	150.2	151.9
97.5°	1.7	3.4	15.4	32.4	54.6	78.5	100.7	117.8	128.0	136.6	138.3
100°	1.7	3.4	12.0	29.0	47.8	70.0	90.5	105.8	117.8	124.6	126.3
102.5°	1.7	1.7	10.2	23.9	42.7	61.5	80.2	95.6	105.8	112.7	116.1
105°	1.7	1.7	8.5	20.5	37.6	54.6	71.7	87.1	95.6	102.4	105.8
107.5°	1.7	1.7	6.8	17.1	32.4	47.8	64.9	76.8	87.1	93.9	97.3
110°	1.7	1.7	5.1	15.4	27.3	42.7	56.3	68.3	78.5	85.4	88.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1.7	1.7	5.1	13.7	23.9	37.6	49.5	61.5	70.0	76.8	81.9
115°	1.7	1.7	5.1	12.0	22.2	32.4	44.4	54.6	63.2	70.0	75.1
117.5°	1.7	1.7	5.1	10.2	18.8	29.0	39.3	49.5	56.3	63.2	68.3
120°	1.7	1.7	3.4	8.5	17.1	25.6	34.1	42.7	51.2	58.0	63.2
122.5°	1.7	1.7	3.4	8.5	13.7	22.2	30.7	37.6	46.1	51.2	56.3
125°	1.7	1.7	3.4	6.8	12.0	20.5	27.3	34.1	39.3	46.1	51.2
127.5°	1.7	1.7	3.4	6.8	10.2	17.1	23.9	30.7	35.9	41.0	44.4
130°	1.7	1.7	3.4	5.1	8.5	13.7	20.5	25.6	32.4	35.9	39.3
132.5°	1.7	1.7	1.7	5.1	6.8	10.2	15.4	22.2	27.3	32.4	34.1
135°	1.7	1.7	1.7	3.4	6.8	8.5	12.0	17.1	22.2	27.3	30.7
137.5°	1.7	1.7	1.7	3.4	5.1	8.5	10.2	13.7	18.8	22.2	27.3
140°	1.7	1.7	1.7	3.4	5.1	6.8	8.5	12.0	15.4	18.8	22.2
142.5°	1.7	1.7	1.7	3.4	3.4	5.1	6.8	10.2	12.0	15.4	18.8
145°	1.7	1.7	1.7	3.4	3.4	5.1	6.8	8.5	10.2	12.0	15.4
147.5°	1.7	1.7	1.7	3.4	3.4	3.4	5.1	6.8	8.5	10.2	12.0
150°	3.4	3.4	3.4	3.4	3.4	3.4	5.1	5.1	6.8	8.5	10.2
152.5°	3.4	3.4	3.4	3.4	3.4	3.4	5.1	5.1	5.1	6.8	8.5
155°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	5.1	5.1	6.8	6.8
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°	3305.2	3305.2	3305.2	3305.2	3305.2	3305.2	3305.2	3305.2	3305.2	3305.2	3305.2
2.5°	3276.2	3279.6	3300.1	3298.4	3294.9	3291.5	3291.5	3288.1	3291.5	3300.1	3296.7
5°	3259.1	3264.2	3279.6	3277.9	3274.5	3272.8	3271.0	3265.9	3269.3	3281.3	3277.9
7.5°	3228.4	3233.5	3247.1	3240.3	3235.2	3238.6	3230.1	3224.9	3231.8	3243.7	3242.0
10°	3195.9	3199.3	3216.4	3213.0	3204.5	3206.2	3197.6	3194.2	3202.8	3209.6	3211.3
12.5°	3173.7	3185.7	3201.0	3199.3	3197.6	3199.3	3190.8	3187.4	3192.5	3199.3	3197.6
15°	3168.6	3184.0	3201.0	3201.0	3202.8	3204.5	3195.9	3190.8	3195.9	3201.0	3199.3
17.5°	3163.5	3182.3	3197.6	3195.9	3197.6	3201.0	3187.4	3184.0	3190.8	3197.6	3194.2
20°	3146.4	3163.5	3173.7	3170.3	3170.3	3172.0	3155.0	3155.0	3165.2	3170.3	3172.0
22.5°	3098.6	3119.1	3119.1	3110.6	3110.6	3103.7	3098.6	3088.4	3100.3	3108.9	3115.7
25°	3026.9	3035.4	3025.2	3006.4	2996.2	2987.6	2963.7	2984.2	2984.2	3009.8	3018.4
27.5°	2926.2	2907.4	2878.4	2839.1	2830.6	2803.3	2787.9	2793.0	2801.6	2837.4	2864.7
30°	2760.6	2704.2	2654.7	2637.7	2600.1	2572.8	2545.5	2559.1	2574.5	2595.0	2651.3
32.5°	2542.1	2487.4	2407.2	2378.2	2338.9	2304.8	2272.3	2292.8	2320.1	2333.8	2395.2
35°	2291.1	2226.2	2152.8	2103.3	2062.3	2043.5	2002.6	2031.6	2060.6	2070.9	2123.8
37.5°	2024.8	1958.2	1893.3	1850.6	1811.4	1799.4	1772.1	1792.6	1814.8	1830.1	1874.5
40°	1772.1	1710.6	1661.1	1632.1	1604.8	1594.5	1584.3	1592.8	1609.9	1621.9	1656.0
42.5°	1555.3	1505.8	1471.6	1454.6	1435.8	1422.1	1423.8	1427.2	1435.8	1461.4	1476.8
45°	1365.8	1336.8	1314.6	1311.1	1299.2	1297.5	1295.8	1302.6	1307.7	1323.1	1335.1
47.5°	1213.8	1201.9	1196.8	1203.6	1208.7	1201.9	1205.3	1213.8	1224.1	1224.1	1222.4
50°	1094.3	1097.7	1104.6	1119.9	1130.2	1133.6	1137.0	1147.3	1149.0	1152.4	1147.3
52.5°	997.0	1000.4	1019.2	1043.1	1055.1	1060.2	1067.0	1077.3	1077.3	1080.7	1073.8
55°	898.0	903.1	921.9	945.8	956.0	962.9	969.7	976.5	981.7	988.5	983.4
57.5°	788.7	804.1	816.1	822.9	829.7	834.8	840.0	841.7	851.9	853.6	862.1
60°	672.6	676.1	688.0	686.3	681.2	694.8	688.0	700.0	711.9	727.3	729.0
62.5°	561.7	563.4	571.9	568.5	575.3	573.6	578.7	578.7	587.3	594.1	602.7
65°	474.6	476.3	483.1	483.1	481.4	486.6	491.7	495.1	495.1	500.2	507.0
67.5°	409.7	414.9	421.7	425.1	428.5	428.5	433.6	435.3	438.8	440.5	443.9
70°	365.3	372.2	379.0	382.4	384.1	387.5	389.2	389.2	392.7	394.4	397.8
72.5°	332.9	339.7	344.9	344.9	348.3	350.0	350.0	351.7	353.4	356.8	360.2
75°	305.6	310.7	314.1	312.4	312.4	312.4	314.1	314.1	317.5	321.0	324.4
77.5°	280.0	285.1	285.1	281.7	281.7	281.7	281.7	283.4	285.1	288.5	291.9
80°	261.2	261.2	259.5	259.5	256.1	254.4	254.4	256.1	256.1	259.5	264.6
82.5°	240.7	240.7	239.0	237.3	235.6	233.9	233.9	235.6	237.3	239.0	242.4
85°	221.9	221.9	218.5	218.5	216.8	216.8	216.8	216.8	218.5	220.2	223.6
87.5°	203.2	201.5	199.7	198.0	198.0	198.0	198.0	198.0	199.7	203.2	204.9
90°	184.4	182.7	181.0	181.0	179.3	179.3	181.0	181.0	182.7	184.4	186.1
92.5°	167.3	165.6	163.9	163.9	162.2	162.2	163.9	162.2	165.6	165.6	167.3
95°	151.9	150.2	148.5	148.5	148.5	148.5	148.5	148.5	150.2	150.2	151.9
97.5°	138.3	136.6	134.9	134.9	136.6	134.9	136.6	136.6	136.6	138.3	140.0
100°	126.3	124.6	124.6	126.3	124.6	124.6	126.3	126.3	126.3	126.3	128.0
102.5°	116.1	116.1	116.1	116.1	116.1	116.1	117.8	117.8	117.8	117.8	119.5
105°	105.8	107.6	107.6	107.6	109.3	109.3	109.3	111.0	111.0	111.0	111.0
107.5°	99.0	100.7	100.7	102.4	102.4	104.1	104.1	104.1	104.1	105.8	105.8
110°	92.2	93.9	95.6	97.3	97.3	99.0	99.0	99.0	99.0	99.0	99.0



TEST NUMBER: P290207

CATALOG NUMBER: 4SSRK-LC-80-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	85.4	87.1	88.8	92.2	93.9	93.9	93.9	93.9	95.6	95.6	93.9
115°	78.5	81.9	83.7	87.1	88.8	88.8	90.5	90.5	90.5	90.5	88.8
117.5°	71.7	76.8	78.5	81.9	83.7	83.7	85.4	85.4	85.4	85.4	83.7
120°	66.6	70.0	73.4	75.1	76.8	78.5	78.5	80.2	80.2	80.2	78.5
122.5°	61.5	64.9	68.3	70.0	71.7	73.4	73.4	73.4	73.4	73.4	73.4
125°	54.6	58.0	61.5	63.2	64.9	66.6	66.6	68.3	68.3	68.3	66.6
127.5°	49.5	52.9	54.6	58.0	59.8	59.8	61.5	61.5	61.5	61.5	59.8
130°	42.7	46.1	49.5	51.2	52.9	52.9	54.6	54.6	54.6	54.6	54.6
132.5°	37.6	41.0	42.7	46.1	46.1	47.8	47.8	49.5	49.5	49.5	47.8
135°	34.1	35.9	37.6	41.0	41.0	42.7	42.7	42.7	42.7	42.7	42.7
137.5°	30.7	32.4	34.1	35.9	35.9	37.6	37.6	37.6	37.6	39.3	37.6
140°	25.6	29.0	30.7	30.7	32.4	32.4	32.4	34.1	34.1	34.1	32.4
142.5°	22.2	23.9	25.6	27.3	29.0	29.0	29.0	29.0	30.7	29.0	29.0
145°	17.1	20.5	22.2	23.9	25.6	25.6	25.6	25.6	25.6	25.6	25.6
147.5°	13.7	15.4	18.8	20.5	20.5	22.2	22.2	22.2	22.2	22.2	22.2
150°	12.0	12.0	15.4	17.1	18.8	18.8	18.8	18.8	18.8	18.8	18.8
152.5°	8.5	10.2	12.0	13.7	15.4	15.4	15.4	15.4	15.4	15.4	15.4
155°	8.5	8.5	10.2	10.2	12.0	12.0	12.0	12.0	13.7	12.0	12.0
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: P290207

CATALOG NUMBER: 4SSRK-LC-80-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	3305.2	3305.2	3305.2	3305.2	3305.2	3305.2	3305.2	3305.2	3305.2	3305.2	3305.2
2.5°	3291.5	3289.8	3296.7	3289.8	3255.7	3269.3	3264.2	3283.0	3284.7	3289.8	3306.9
5°	3274.5	3274.5	3283.0	3276.2	3243.7	3257.4	3255.7	3274.5	3277.9	3281.3	3300.1
7.5°	3240.3	3242.0	3254.0	3248.9	3214.7	3235.2	3233.5	3255.7	3262.5	3269.3	3286.4
10°	3207.9	3206.2	3219.8	3214.7	3182.3	3206.2	3204.5	3226.7	3236.9	3248.9	3269.3
12.5°	3190.8	3185.7	3190.8	3185.7	3149.8	3168.6	3170.3	3195.9	3207.9	3223.2	3247.1
15°	3190.8	3182.3	3182.3	3172.0	3131.1	3143.0	3144.7	3161.8	3177.1	3192.5	3221.5
17.5°	3187.4	3178.9	3177.1	3168.6	3124.2	3124.2	3122.5	3134.5	3143.0	3158.4	3189.1
20°	3168.6	3165.2	3163.5	3158.4	3117.4	3110.6	3107.2	3107.2	3112.3	3117.4	3148.1
22.5°	3119.1	3122.5	3125.9	3129.3	3096.9	3085.0	3086.7	3083.2	3078.1	3078.1	3103.7
25°	3026.9	3044.0	3057.6	3073.0	3054.2	3045.7	3055.9	3050.8	3042.3	3035.4	3057.6
27.5°	2880.1	2915.9	2945.0	2982.5	2984.2	2977.4	3004.7	3001.3	2999.6	2989.4	3006.4
30°	2676.9	2733.3	2772.5	2827.2	2873.3	2880.1	2926.2	2933.0	2939.8	2934.7	2951.8
32.5°	2431.1	2507.9	2574.5	2659.9	2704.2	2743.5	2808.4	2835.7	2863.0	2871.6	2890.3
35°	2163.1	2250.1	2328.7	2422.6	2492.5	2577.9	2656.4	2697.4	2758.9	2782.8	2810.1
37.5°	1908.7	1990.6	2067.5	2161.3	2274.0	2362.8	2460.1	2552.3	2636.0	2670.1	2711.1
40°	1683.3	1749.9	1823.3	1905.3	2007.7	2123.8	2229.6	2357.7	2456.7	2525.0	2584.7
42.5°	1512.6	1545.0	1608.2	1681.6	1763.6	1881.4	1988.9	2132.3	2251.8	2349.1	2448.2
45°	1360.7	1376.0	1422.1	1461.4	1545.0	1649.2	1763.6	1903.6	2028.2	2152.8	2272.3
47.5°	1230.9	1249.7	1271.9	1295.8	1355.5	1442.6	1541.6	1668.0	1792.6	1937.7	2074.3
50°	1143.8	1149.0	1152.4	1162.6	1198.5	1258.2	1338.5	1446.0	1565.5	1720.9	1866.0
52.5°	1067.0	1067.0	1056.8	1051.7	1065.3	1102.9	1149.0	1225.8	1348.7	1492.1	1645.8
55°	985.1	969.7	966.3	949.2	952.6	969.7	991.9	1051.7	1152.4	1275.3	1423.8
57.5°	870.7	863.9	863.9	857.0	843.4	851.9	857.0	899.7	971.4	1077.3	1207.0
60°	739.2	735.8	744.4	746.1	734.1	739.2	737.5	763.1	814.3	899.7	1007.3
62.5°	607.8	623.1	624.8	631.7	624.8	623.1	631.7	653.9	679.5	744.4	828.0
65°	510.5	519.0	520.7	529.2	525.8	525.8	532.7	549.7	565.1	609.5	674.4
67.5°	447.3	443.9	445.6	450.7	445.6	443.9	449.0	459.2	471.2	498.5	544.6
70°	397.8	394.4	394.4	394.4	387.5	382.4	384.1	387.5	392.7	408.0	437.0
72.5°	360.2	360.2	355.1	350.0	344.9	341.4	338.0	334.6	332.9	338.0	353.4
75°	326.1	327.8	326.1	321.0	314.1	307.3	300.5	293.6	285.1	281.7	283.4
77.5°	295.4	297.1	298.8	297.1	290.2	281.7	271.4	261.2	249.3	237.3	230.5
80°	268.0	271.4	273.2	271.4	266.3	259.5	247.5	235.6	218.5	203.2	186.1
82.5°	244.1	249.3	251.0	251.0	247.5	240.7	227.1	213.4	194.6	174.1	151.9
85°	225.4	228.8	232.2	232.2	230.5	223.6	210.0	194.6	175.8	151.9	128.0
87.5°	206.6	208.3	211.7	215.1	211.7	204.9	192.9	175.8	157.1	133.2	105.8
90°	187.8	189.5	192.9	196.3	194.6	187.8	177.6	162.2	141.7	116.1	88.8
92.5°	169.0	172.4	174.1	175.8	177.6	172.4	163.9	148.5	128.0	102.4	76.8
95°	155.4	155.4	158.8	160.5	162.2	157.1	150.2	134.9	116.1	92.2	66.6
97.5°	141.7	141.7	145.1	145.1	146.8	143.4	136.6	122.9	104.1	81.9	56.3
100°	128.0	129.7	131.5	133.2	133.2	131.5	124.6	111.0	93.9	73.4	49.5
102.5°	119.5	119.5	121.2	121.2	122.9	119.5	112.7	100.7	83.7	64.9	42.7
105°	111.0	111.0	112.7	112.7	111.0	107.6	100.7	90.5	75.1	56.3	37.6
107.5°	104.1	104.1	104.1	104.1	102.4	99.0	92.2	80.2	66.6	51.2	34.1
110°	99.0	97.3	97.3	95.6	93.9	88.8	81.9	71.7	59.8	44.4	29.0



TEST NUMBER: P290207

CATALOG NUMBER: 4SSRK-LC-80-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	93.9	92.2	90.5	88.8	85.4	80.2	73.4	64.9	52.9	39.3	25.6
115°	88.8	87.1	85.4	81.9	78.5	73.4	66.6	58.0	46.1	34.1	22.2
117.5°	83.7	81.9	78.5	75.1	71.7	66.6	59.8	51.2	41.0	30.7	20.5
120°	76.8	75.1	73.4	70.0	66.6	59.8	52.9	46.1	35.9	27.3	17.1
122.5°	71.7	70.0	66.6	64.9	59.8	54.6	47.8	41.0	32.4	23.9	15.4
125°	64.9	63.2	61.5	58.0	54.6	47.8	42.7	35.9	29.0	20.5	12.0
127.5°	59.8	58.0	54.6	51.2	47.8	42.7	37.6	32.4	25.6	17.1	12.0
130°	52.9	51.2	49.5	46.1	42.7	37.6	34.1	27.3	22.2	15.4	10.2
132.5°	46.1	46.1	44.4	41.0	37.6	34.1	29.0	23.9	18.8	13.7	8.5
135°	42.7	41.0	39.3	35.9	34.1	29.0	25.6	20.5	15.4	12.0	6.8
137.5°	37.6	35.9	34.1	32.4	29.0	25.6	22.2	17.1	13.7	10.2	6.8
140°	32.4	30.7	30.7	27.3	25.6	22.2	18.8	15.4	12.0	8.5	5.1
142.5°	29.0	27.3	25.6	23.9	22.2	18.8	15.4	12.0	10.2	6.8	5.1
145°	25.6	23.9	22.2	20.5	18.8	15.4	13.7	10.2	8.5	6.8	5.1
147.5°	20.5	20.5	18.8	17.1	15.4	13.7	12.0	10.2	6.8	5.1	3.4
150°	17.1	17.1	15.4	13.7	13.7	12.0	10.2	8.5	6.8	5.1	3.4
152.5°	15.4	13.7	13.7	12.0	12.0	10.2	8.5	6.8	5.1	5.1	3.4
155°	12.0	12.0	12.0	10.2	10.2	8.5	6.8	6.8	5.1	3.4	3.4
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: P290207

CATALOG NUMBER: 4SSRK-LC-80-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3305.2	3305.2	3305.2	3305.2	3305.2	3305.2	3305.2	3305.2	3305.2	3305.2	3305.2
2.5°	3310.3	3289.8	3306.9	3337.6	3334.2	3330.8	3327.4	3334.2	3356.4	3344.5	3325.7
5°	3305.2	3284.7	3303.5	3332.5	3330.8	3325.7	3322.3	3329.1	3351.3	3339.3	3318.8
7.5°	3294.9	3276.2	3289.8	3318.8	3318.8	3315.4	3312.0	3318.8	3339.3	3329.1	3308.6
10°	3277.9	3264.2	3277.9	3305.2	3306.9	3300.1	3296.7	3305.2	3325.7	3320.6	3303.5
12.5°	3264.2	3250.6	3265.9	3293.2	3294.9	3288.1	3283.0	3293.2	3320.6	3324.0	3318.8
15°	3245.4	3233.5	3252.3	3281.3	3281.3	3276.2	3276.2	3289.8	3327.4	3342.7	3351.3
17.5°	3218.1	3209.6	3231.8	3260.8	3262.5	3259.1	3260.8	3288.1	3337.6	3375.2	3399.1
20°	3184.0	3180.6	3204.5	3235.2	3240.3	3242.0	3250.6	3291.5	3359.8	3411.0	3434.9
22.5°	3143.0	3144.7	3172.0	3204.5	3211.3	3216.4	3233.5	3291.5	3376.9	3431.5	3441.8
25°	3096.9	3102.0	3131.1	3170.3	3178.9	3189.1	3218.1	3293.2	3382.0	3417.9	3400.8
27.5°	3047.4	3057.6	3095.2	3136.2	3146.4	3163.5	3201.0	3283.0	3358.1	3359.8	3296.7
30°	2996.2	3008.1	3052.5	3100.3	3117.4	3134.5	3180.6	3259.1	3300.1	3245.4	3134.5
32.5°	2938.1	2955.2	2999.6	3057.6	3078.1	3100.3	3146.4	3213.0	3197.6	3079.8	2921.1
35°	2864.7	2888.6	2939.8	3008.1	3026.9	3055.9	3088.4	3103.7	3035.4	2868.1	2688.9
37.5°	2774.2	2810.1	2869.8	2948.4	2968.9	2987.6	2996.2	2953.5	2816.9	2636.0	2449.9
40°	2670.1	2724.7	2789.6	2876.7	2897.2	2897.2	2866.4	2775.9	2603.5	2366.2	2159.6
42.5°	2543.8	2610.3	2692.3	2779.4	2799.9	2775.9	2702.5	2543.8	2347.4	2082.8	1864.3
45°	2390.1	2478.9	2571.1	2661.6	2671.8	2618.9	2487.4	2286.0	2043.5	1797.7	1589.4
47.5°	2207.4	2323.5	2424.3	2526.7	2513.0	2424.3	2248.4	2019.6	1763.6	1531.4	1364.1
50°	2002.6	2139.2	2251.8	2349.1	2320.1	2197.2	1990.6	1751.6	1497.2	1299.2	1160.9
52.5°	1784.1	1941.1	2053.8	2132.3	2093.1	1946.2	1719.2	1490.4	1282.1	1101.2	1009.0
55°	1557.0	1715.8	1831.9	1893.3	1842.1	1683.3	1459.7	1251.4	1055.1	937.3	882.6
57.5°	1336.8	1485.3	1594.5	1644.1	1579.2	1420.4	1213.8	1038.0	896.3	797.3	770.0
60°	1125.1	1246.3	1350.4	1388.0	1318.0	1171.2	993.6	853.6	749.5	681.2	667.5
62.5°	928.7	1027.7	1109.7	1138.7	1070.4	956.0	802.4	698.3	624.8	590.7	573.6
65°	766.5	824.6	908.2	903.1	862.1	756.3	643.6	570.2	522.4	500.2	490.0
67.5°	602.7	655.6	708.5	715.3	664.1	590.7	517.3	464.4	438.8	426.8	421.7
70°	466.1	505.3	537.8	529.2	501.9	455.8	409.7	380.7	370.5	365.3	365.3
72.5°	361.9	382.4	397.8	387.5	370.5	346.6	324.4	312.4	314.1	317.5	321.0
75°	280.0	285.1	288.5	278.3	274.9	259.5	257.8	259.5	269.7	280.0	285.1
77.5°	215.1	208.3	203.2	192.9	194.6	192.9	201.5	215.1	230.5	245.8	259.5
80°	165.6	150.2	138.3	128.0	133.2	141.7	158.8	179.3	199.7	216.8	233.9
82.5°	128.0	105.8	88.8	78.5	88.8	102.4	124.6	150.2	174.1	192.9	211.7
85°	99.0	73.4	52.9	42.7	52.9	73.4	97.3	126.3	151.9	172.4	191.2
87.5°	76.8	52.9	29.0	17.1	29.0	51.2	78.5	105.8	131.5	155.4	174.1
90°	61.5	35.9	13.7	3.4	15.4	35.9	61.5	88.8	114.4	140.0	158.8
92.5°	49.5	25.6	6.8	0.0	8.5	27.3	51.2	76.8	102.4	126.3	145.1
95°	41.0	20.5	5.1	0.0	6.8	20.5	41.0	66.6	90.5	114.4	129.7
97.5°	34.1	15.4	3.4	0.0	3.4	17.1	34.1	56.3	80.2	102.4	117.8
100°	29.0	13.7	3.4	0.0	3.4	13.7	29.0	49.5	70.0	90.5	105.8
102.5°	23.9	10.2	1.7	1.7	1.7	10.2	25.6	42.7	61.5	80.2	95.6
105°	22.2	8.5	1.7	1.7	1.7	8.5	22.2	37.6	54.6	71.7	85.4
107.5°	18.8	6.8	1.7	1.7	1.7	6.8	18.8	32.4	49.5	64.9	76.8
110°	15.4	6.8	1.7	1.7	1.7	6.8	15.4	29.0	42.7	56.3	68.3



TEST NUMBER: P290207

CATALOG NUMBER: 4SSRK-LC-80-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	13.7	5.1	1.7	1.7	1.7	5.1	13.7	25.6	37.6	51.2	61.5
115°	12.0	5.1	1.7	1.7	1.7	5.1	12.0	22.2	32.4	44.4	54.6
117.5°	10.2	5.1	1.7	1.7	1.7	3.4	10.2	18.8	29.0	39.3	49.5
120°	8.5	3.4	1.7	1.7	1.7	3.4	8.5	17.1	25.6	34.1	42.7
122.5°	8.5	3.4	1.7	1.7	1.7	3.4	6.8	13.7	22.2	29.0	37.6
125°	6.8	3.4	1.7	1.7	1.7	1.7	6.8	12.0	18.8	25.6	32.4
127.5°	6.8	3.4	1.7	1.7	1.7	1.7	5.1	10.2	15.4	22.2	29.0
130°	5.1	3.4	1.7	1.7	1.7	1.7	3.4	8.5	13.7	18.8	23.9
132.5°	5.1	3.4	1.7	1.7	1.7	1.7	3.4	6.8	10.2	15.4	20.5
135°	5.1	1.7	1.7	1.7	1.7	1.7	1.7	5.1	8.5	12.0	15.4
137.5°	3.4	1.7	1.7	1.7	1.7	1.7	1.7	3.4	6.8	8.5	13.7
140°	3.4	1.7	1.7	1.7	1.7	1.7	1.7	3.4	5.1	6.8	10.2
142.5°	3.4	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4	5.1	8.5
145°	3.4	1.7	1.7	3.4	3.4	1.7	1.7	3.4	3.4	5.1	6.8
147.5°	3.4	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4	3.4	5.1
150°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	5.1
152.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
155°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
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: P290207

CATALOG NUMBER: 4SSRK-LC-80-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3305.2	3305.2	3305.2	3305.2	3305.2	3305.2	3305.2	3305.2	3305.2	3305.2	3305.2
2.5°	3322.3	3283.0	3303.5	3296.7	3303.5	3320.6	3318.8	3313.7	3317.1	3308.6	3300.1
5°	3315.4	3276.2	3296.7	3288.1	3296.7	3313.7	3310.3	3305.2	3310.3	3300.1	3291.5
7.5°	3306.9	3271.0	3294.9	3293.2	3308.6	3330.8	3332.5	3332.5	3344.5	3329.1	3322.3
10°	3306.9	3288.1	3320.6	3332.5	3371.8	3400.8	3404.2	3411.0	3431.5	3428.1	3411.0
12.5°	3342.7	3339.3	3387.1	3416.2	3452.0	3493.0	3515.2	3522.0	3535.7	3525.4	3518.6
15°	3388.8	3405.9	3458.8	3491.3	3530.5	3561.3	3566.4	3569.8	3580.1	3564.7	3552.7
17.5°	3450.3	3460.5	3503.2	3516.9	3542.5	3547.6	3540.8	3523.7	3523.7	3489.6	3479.3
20°	3479.3	3474.2	3491.3	3469.1	3458.8	3428.1	3399.1	3366.6	3364.9	3329.1	3325.7
22.5°	3453.7	3419.6	3383.7	3329.1	3305.2	3260.8	3221.5	3202.8	3190.8	3144.7	3132.8
25°	3363.2	3279.6	3226.7	3161.8	3103.7	3052.5	3015.0	2975.7	2938.1	2900.6	2883.5
27.5°	3206.2	3127.6	3042.3	2951.8	2871.6	2793.0	2729.9	2690.6	2654.7	2605.2	2579.6
30°	3013.3	2904.0	2810.1	2723.0	2591.6	2496.0	2443.0	2364.5	2337.2	2315.0	2267.2
32.5°	2786.2	2654.7	2526.7	2408.9	2274.0	2185.2	2115.3	2057.2	2040.1	1982.1	1968.4
35°	2535.2	2362.8	2217.7	2101.6	2004.3	1896.7	1838.7	1799.4	1765.3	1726.0	1719.2
37.5°	2239.9	2084.5	1920.6	1818.2	1741.4	1649.2	1604.8	1577.5	1562.1	1533.1	1528.0
40°	1942.8	1787.5	1674.8	1572.4	1524.6	1475.0	1442.6	1430.7	1423.8	1413.6	1403.3
42.5°	1673.1	1536.5	1456.3	1388.0	1367.5	1343.6	1335.1	1341.9	1335.1	1331.6	1329.9
45°	1444.3	1340.2	1283.8	1263.3	1258.2	1251.4	1258.2	1270.2	1271.9	1268.5	1268.5
47.5°	1236.0	1186.5	1162.6	1166.0	1174.6	1179.7	1191.6	1207.0	1210.4	1201.9	1205.3
50°	1099.5	1070.4	1065.3	1079.0	1097.7	1104.6	1118.2	1130.2	1128.5	1125.1	1121.6
52.5°	971.4	962.9	976.5	990.2	1010.7	1014.1	1019.2	1024.3	1022.6	1015.8	1012.4
55°	863.9	870.7	882.6	887.8	903.1	901.4	903.1	903.1	896.3	892.9	887.8
57.5°	766.5	768.3	775.1	776.8	785.3	781.9	780.2	776.8	766.5	764.8	759.7
60°	667.5	664.1	679.5	667.5	674.4	667.5	665.8	657.3	647.0	645.3	641.9
62.5°	573.6	566.8	577.0	571.9	575.3	568.5	565.1	554.8	546.3	544.6	542.9
65°	490.0	486.6	496.8	495.1	498.5	490.0	486.6	479.7	472.9	471.2	469.5
67.5°	420.0	428.5	433.6	433.6	437.0	435.3	426.8	425.1	423.4	416.6	416.6
70°	368.8	373.9	384.1	385.8	384.1	387.5	380.7	379.0	377.3	373.9	372.2
72.5°	327.8	334.6	344.9	346.6	344.9	344.9	341.4	339.7	339.7	334.6	334.6
75°	295.4	303.9	312.4	312.4	312.4	309.0	305.6	305.6	302.2	300.5	297.1
77.5°	268.0	278.3	285.1	283.4	281.7	278.3	278.3	273.2	268.0	268.0	264.6
80°	247.5	254.4	259.5	257.8	256.1	251.0	249.3	244.1	240.7	235.6	235.6
82.5°	225.4	233.9	237.3	235.6	232.2	227.1	225.4	221.9	218.5	216.8	213.4
85°	206.6	215.1	216.8	213.4	210.0	206.6	204.9	203.2	201.5	198.0	198.0
87.5°	187.8	196.3	196.3	194.6	191.2	189.5	187.8	186.1	184.4	182.7	181.0
90°	172.4	179.3	179.3	177.6	175.8	174.1	172.4	170.7	169.0	167.3	167.3
92.5°	157.1	163.9	163.9	162.2	160.5	158.8	158.8	157.1	155.4	153.7	151.9
95°	143.4	150.2	150.2	150.2	148.5	146.8	146.8	145.1	143.4	143.4	141.7
97.5°	129.7	136.6	136.6	136.6	134.9	133.2	133.2	131.5	131.5	131.5	129.7
100°	117.8	122.9	124.6	124.6	122.9	122.9	122.9	121.2	121.2	121.2	119.5
102.5°	105.8	111.0	114.4	114.4	114.4	112.7	112.7	112.7	112.7	112.7	111.0
105°	95.6	100.7	104.1	105.8	105.8	105.8	105.8	105.8	105.8	105.8	105.8
107.5°	87.1	92.2	95.6	97.3	99.0	99.0	100.7	100.7	100.7	100.7	100.7
110°	78.5	83.7	88.8	90.5	92.2	93.9	93.9	95.6	93.9	93.9	93.9



TEST NUMBER: P290207

CATALOG NUMBER: 4SSRK-LC-80-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	70.0	76.8	80.2	83.7	85.4	87.1	88.8	88.8	88.8	88.8	88.8
115°	63.2	70.0	73.4	76.8	80.2	81.9	81.9	83.7	83.7	83.7	81.9
117.5°	56.3	63.2	66.6	70.0	71.7	75.1	76.8	76.8	76.8	76.8	75.1
120°	51.2	56.3	59.8	63.2	66.6	68.3	70.0	70.0	70.0	70.0	70.0
122.5°	44.4	49.5	54.6	58.0	59.8	61.5	63.2	63.2	63.2	63.2	63.2
125°	39.3	44.4	47.8	51.2	52.9	56.3	56.3	56.3	56.3	56.3	56.3
127.5°	34.1	39.3	42.7	46.1	47.8	49.5	51.2	51.2	51.2	51.2	51.2
130°	29.0	34.1	37.6	41.0	42.7	44.4	44.4	46.1	46.1	46.1	46.1
132.5°	25.6	29.0	32.4	35.9	37.6	39.3	39.3	41.0	41.0	41.0	41.0
135°	20.5	25.6	27.3	30.7	32.4	34.1	34.1	35.9	35.9	35.9	35.9
137.5°	17.1	20.5	23.9	27.3	29.0	29.0	30.7	30.7	32.4	32.4	32.4
140°	13.7	15.4	20.5	22.2	23.9	25.6	27.3	27.3	27.3	27.3	27.3
142.5°	10.2	13.7	15.4	18.8	20.5	22.2	23.9	23.9	23.9	23.9	23.9
145°	8.5	10.2	12.0	15.4	17.1	18.8	20.5	20.5	20.5	20.5	20.5
147.5°	6.8	8.5	10.2	12.0	13.7	15.4	17.1	17.1	17.1	17.1	17.1
150°	5.1	6.8	8.5	8.5	10.2	12.0	13.7	15.4	15.4	15.4	15.4
152.5°	5.1	5.1	6.8	6.8	8.5	10.2	12.0	12.0	12.0	12.0	12.0
155°	3.4	5.1	5.1	5.1	6.8	6.8	8.5	10.2	10.2	10.2	10.2
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: P290207

CATALOG NUMBER: 4SSRK-LC-80-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3305.2	3305.2	3305.2	3305.2	3305.2	3305.2	3305.2	3305.2	3305.2	3305.2	3305.2
2.5°	3305.2	3312.0	3308.6	3303.5	3301.8	3310.3	3301.8	3262.5	3277.9	3279.6	3291.5
5°	3300.1	3305.2	3301.8	3298.4	3293.2	3303.5	3293.2	3252.3	3267.6	3269.3	3281.3
7.5°	3334.2	3335.9	3335.9	3327.4	3313.7	3318.8	3305.2	3259.1	3267.6	3267.6	3276.2
10°	3419.6	3423.0	3428.1	3405.9	3388.8	3375.2	3356.4	3300.1	3298.4	3284.7	3284.7
12.5°	3530.5	3522.0	3513.5	3503.2	3489.6	3472.5	3445.2	3378.6	3356.4	3334.2	3312.0
15°	3563.0	3559.6	3557.9	3552.7	3544.2	3539.1	3518.6	3452.0	3419.6	3392.3	3353.0
17.5°	3477.6	3484.4	3506.6	3508.3	3518.6	3539.1	3535.7	3489.6	3460.5	3448.6	3400.8
20°	3324.0	3325.7	3353.0	3364.9	3409.3	3443.5	3469.1	3464.0	3457.1	3470.8	3434.9
22.5°	3139.6	3151.5	3180.6	3199.3	3242.0	3281.3	3322.3	3344.5	3380.3	3436.6	3429.8
25°	2888.6	2904.0	2945.0	2975.7	3035.4	3095.2	3149.8	3189.1	3231.8	3339.3	3375.2
27.5°	2588.2	2612.1	2665.0	2695.7	2779.4	2840.8	2919.4	2996.2	3055.9	3178.9	3252.3
30°	2272.3	2292.8	2349.1	2391.8	2463.5	2547.2	2646.2	2755.5	2854.5	2979.1	3071.3
32.5°	1977.0	1999.2	2045.3	2082.8	2163.1	2233.1	2342.3	2477.2	2569.4	2741.8	2864.7
35°	1719.2	1739.7	1772.1	1804.5	1871.1	1942.8	2036.7	2168.2	2286.0	2465.2	2620.6
37.5°	1538.2	1541.6	1560.4	1579.2	1628.7	1683.3	1756.7	1872.8	1982.1	2175.0	2345.7
40°	1408.5	1408.5	1418.7	1423.8	1446.0	1478.5	1524.6	1615.0	1705.5	1852.3	2060.6
42.5°	1328.2	1324.8	1324.8	1326.5	1324.8	1340.2	1367.5	1410.2	1490.4	1611.6	1773.8
45°	1268.5	1261.6	1256.5	1244.6	1237.7	1237.7	1239.4	1254.8	1300.9	1379.4	1510.9
47.5°	1201.9	1200.2	1191.6	1178.0	1166.0	1157.5	1143.8	1138.7	1152.4	1196.8	1285.5
50°	1125.1	1116.5	1108.0	1097.7	1084.1	1075.6	1049.9	1051.7	1039.7	1060.2	1106.3
52.5°	1012.4	1005.6	1002.1	993.6	988.5	985.1	964.6	944.1	939.0	942.4	959.5
55°	887.8	891.2	877.5	884.3	882.6	867.3	858.7	843.4	838.2	836.5	845.1
57.5°	758.0	761.4	752.9	759.7	759.7	751.2	746.1	746.1	734.1	723.9	735.8
60°	640.2	633.4	638.5	647.0	647.0	641.9	638.5	638.5	630.0	626.6	635.1
62.5°	544.6	537.8	542.9	551.4	553.1	549.7	546.3	546.3	536.1	536.1	542.9
65°	471.2	472.9	471.2	478.0	478.0	479.7	476.3	472.9	461.0	466.1	464.4
67.5°	418.3	416.6	416.6	423.4	421.7	425.1	421.7	416.6	408.0	401.2	399.5
70°	373.9	372.2	372.2	375.6	377.3	377.3	375.6	372.2	360.2	353.4	348.3
72.5°	334.6	332.9	334.6	336.3	338.0	339.7	338.0	334.6	324.4	315.8	307.3
75°	298.8	297.1	302.2	302.2	303.9	303.9	305.6	303.9	295.4	285.1	274.9
77.5°	262.9	264.6	269.7	271.4	274.9	276.6	278.3	278.3	269.7	261.2	247.5
80°	233.9	237.3	240.7	242.4	245.8	251.0	252.7	254.4	247.5	239.0	223.6
82.5°	213.4	215.1	218.5	220.2	225.4	227.1	228.8	232.2	228.8	220.2	203.2
85°	196.3	198.0	201.5	201.5	204.9	208.3	210.0	211.7	210.0	201.5	184.4
87.5°	181.0	182.7	184.4	186.1	187.8	189.5	191.2	192.9	191.2	182.7	167.3
90°	167.3	167.3	169.0	169.0	170.7	172.4	175.8	175.8	174.1	167.3	151.9
92.5°	151.9	153.7	153.7	155.4	157.1	158.8	160.5	160.5	158.8	151.9	138.3
95°	141.7	141.7	143.4	143.4	145.1	145.1	146.8	146.8	145.1	138.3	124.6
97.5°	129.7	129.7	129.7	129.7	131.5	131.5	133.2	133.2	131.5	124.6	112.7
100°	119.5	119.5	119.5	119.5	119.5	121.2	121.2	121.2	119.5	112.7	100.7
102.5°	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	107.6	102.4	90.5
105°	105.8	105.8	105.8	104.1	104.1	104.1	102.4	102.4	97.3	92.2	81.9
107.5°	99.0	99.0	99.0	97.3	97.3	95.6	93.9	93.9	88.8	83.7	73.4
110°	93.9	93.9	93.9	92.2	90.5	88.8	87.1	85.4	80.2	73.4	64.9



TEST NUMBER: P290207

CATALOG NUMBER: 4SSRK-LC-80-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	88.8	88.8	87.1	87.1	85.4	83.7	80.2	78.5	73.4	66.6	58.0
115°	81.9	81.9	81.9	80.2	78.5	76.8	75.1	71.7	66.6	59.8	51.2
117.5°	75.1	75.1	75.1	73.4	71.7	70.0	68.3	64.9	59.8	52.9	46.1
120°	68.3	68.3	68.3	66.6	64.9	63.2	61.5	58.0	52.9	47.8	39.3
122.5°	63.2	63.2	61.5	59.8	58.0	56.3	54.6	51.2	47.8	41.0	34.1
125°	56.3	56.3	54.6	54.6	52.9	51.2	49.5	46.1	41.0	35.9	30.7
127.5°	51.2	49.5	49.5	49.5	47.8	46.1	42.7	41.0	35.9	30.7	25.6
130°	44.4	44.4	44.4	42.7	42.7	41.0	37.6	34.1	30.7	27.3	22.2
132.5°	39.3	39.3	39.3	39.3	37.6	35.9	32.4	30.7	27.3	22.2	18.8
135°	35.9	35.9	34.1	34.1	32.4	30.7	29.0	25.6	22.2	18.8	15.4
137.5°	30.7	30.7	30.7	29.0	29.0	27.3	23.9	22.2	20.5	17.1	13.7
140°	27.3	27.3	25.6	25.6	23.9	23.9	22.2	18.8	17.1	13.7	12.0
142.5°	23.9	23.9	22.2	22.2	20.5	20.5	18.8	17.1	13.7	12.0	8.5
145°	20.5	20.5	18.8	18.8	18.8	17.1	15.4	13.7	12.0	10.2	8.5
147.5°	17.1	17.1	17.1	15.4	15.4	13.7	13.7	12.0	10.2	8.5	6.8
150°	15.4	15.4	13.7	13.7	13.7	12.0	10.2	10.2	8.5	6.8	5.1
152.5°	12.0	12.0	12.0	12.0	10.2	10.2	8.5	8.5	6.8	5.1	5.1
155°	10.2	10.2	10.2	8.5	8.5	8.5	6.8	6.8	5.1	5.1	3.4
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: P290207

CATALOG NUMBER: 4SSRK-LC-80-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3305.2	3305.2	3305.2	3305.2	3305.2	3305.2	3305.2
2.5°	3286.4	3284.7	3300.1	3298.4	3277.9	3308.6	3329.1
5°	3277.9	3276.2	3289.8	3293.2	3271.0	3303.5	3325.7
7.5°	3271.0	3269.3	3284.7	3289.8	3267.6	3296.7	3320.6
10°	3272.8	3264.2	3277.9	3281.3	3260.8	3291.5	3312.0
12.5°	3284.7	3264.2	3269.3	3269.3	3250.6	3277.9	3300.1
15°	3313.7	3271.0	3264.2	3259.1	3235.2	3260.8	3283.0
17.5°	3346.2	3288.1	3264.2	3247.1	3218.1	3240.3	3264.2
20°	3378.6	3306.9	3267.6	3240.3	3201.0	3221.5	3238.6
22.5°	3394.0	3324.0	3271.0	3230.1	3180.6	3190.8	3209.6
25°	3373.5	3317.1	3264.2	3214.7	3155.0	3156.7	3172.0
27.5°	3298.4	3283.0	3248.9	3199.3	3134.5	3125.9	3137.9
30°	3170.3	3213.0	3214.7	3178.9	3110.6	3093.5	3098.6
32.5°	2991.1	3086.7	3143.0	3136.2	3076.4	3052.5	3055.9
35°	2784.5	2904.0	3026.9	3067.9	3025.2	3006.4	2999.6
37.5°	2536.9	2697.4	2861.3	2962.0	2955.2	2943.3	2936.4
40°	2263.8	2456.7	2651.3	2811.8	2861.3	2861.3	2864.7
42.5°	1971.8	2197.2	2410.6	2613.8	2729.9	2755.5	2765.7
45°	1690.2	1917.2	2149.4	2383.3	2538.6	2618.9	2647.9
47.5°	1434.1	1662.8	1883.1	2139.2	2345.7	2449.9	2496.0
50°	1215.5	1386.3	1618.4	1872.8	2098.2	2226.2	2316.7
52.5°	1034.6	1167.7	1370.9	1608.2	1835.3	2011.1	2094.8
55°	882.6	973.1	1145.5	1350.4	1567.2	1749.9	1847.2
57.5°	754.6	826.3	944.1	1114.8	1297.5	1478.5	1582.6
60°	641.9	691.4	771.7	906.5	1061.9	1217.3	1318.0
62.5°	544.6	577.0	630.0	729.0	850.2	971.4	1065.3
65°	469.5	483.1	512.2	573.6	665.8	758.0	838.2
67.5°	396.1	404.6	426.8	464.4	510.5	577.0	630.0
70°	341.4	341.4	343.2	365.3	389.2	431.9	469.5
72.5°	297.1	291.9	281.7	286.8	291.9	315.8	339.7
75°	261.2	249.3	232.2	225.4	221.9	225.4	239.0
77.5°	230.5	213.4	192.9	175.8	162.2	157.1	169.0
80°	204.9	184.4	160.5	138.3	116.1	104.1	109.3
82.5°	184.4	158.8	133.2	107.6	81.9	64.9	64.9
85°	162.2	138.3	111.0	83.7	58.0	35.9	32.4
87.5°	146.8	121.2	92.2	66.6	41.0	18.8	10.2
90°	131.5	105.8	78.5	52.9	29.0	8.5	0.0
92.5°	117.8	93.9	68.3	42.7	20.5	5.1	0.0
95°	105.8	83.7	58.0	35.9	17.1	3.4	1.7
97.5°	93.9	73.4	51.2	29.0	12.0	3.4	1.7
100°	85.4	64.9	44.4	23.9	10.2	1.7	1.7
102.5°	75.1	58.0	37.6	20.5	8.5	1.7	1.7
105°	66.6	51.2	32.4	17.1	6.8	1.7	1.7
107.5°	59.8	44.4	29.0	15.4	6.8	1.7	1.7
110°	52.9	39.3	25.6	13.7	5.1	1.7	1.7



TEST NUMBER: P290207

CATALOG NUMBER: 4SSRK-LC-80-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	47.8	34.1	22.2	12.0	3.4	1.7	1.7
115°	41.0	30.7	18.8	10.2	3.4	1.7	1.7
117.5°	35.9	25.6	17.1	8.5	3.4	1.7	1.7
120°	30.7	22.2	13.7	6.8	1.7	1.7	1.7
122.5°	27.3	18.8	12.0	6.8	1.7	1.7	1.7
125°	23.9	17.1	10.2	5.1	1.7	1.7	1.7
127.5°	20.5	13.7	8.5	3.4	1.7	1.7	1.7
130°	17.1	12.0	6.8	3.4	1.7	1.7	1.7
132.5°	13.7	10.2	6.8	3.4	1.7	1.7	1.7
135°	12.0	8.5	5.1	3.4	1.7	1.7	1.7
137.5°	10.2	6.8	3.4	3.4	3.4	1.7	1.7
140°	8.5	5.1	3.4	3.4	3.4	3.4	1.7
142.5°	6.8	5.1	3.4	3.4	3.4	3.4	1.7
145°	5.1	3.4	3.4	3.4	3.4	3.4	1.7
147.5°	5.1	3.4	3.4	3.4	3.4	3.4	1.7
150°	3.4	3.4	3.4	3.4	3.4	3.4	3.4
152.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4
155°	3.4	3.4	3.4	3.4	3.4	3.4	3.4
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)