

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: P290210

Luminaire Tested: **4SSRK-LC-80-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: P290210
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-L840-CD1-U
Description: 8000 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: 8745.1 lumens
Efficiency: N/A
Efficacy: 139.0 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.12 / 1.19
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Direct

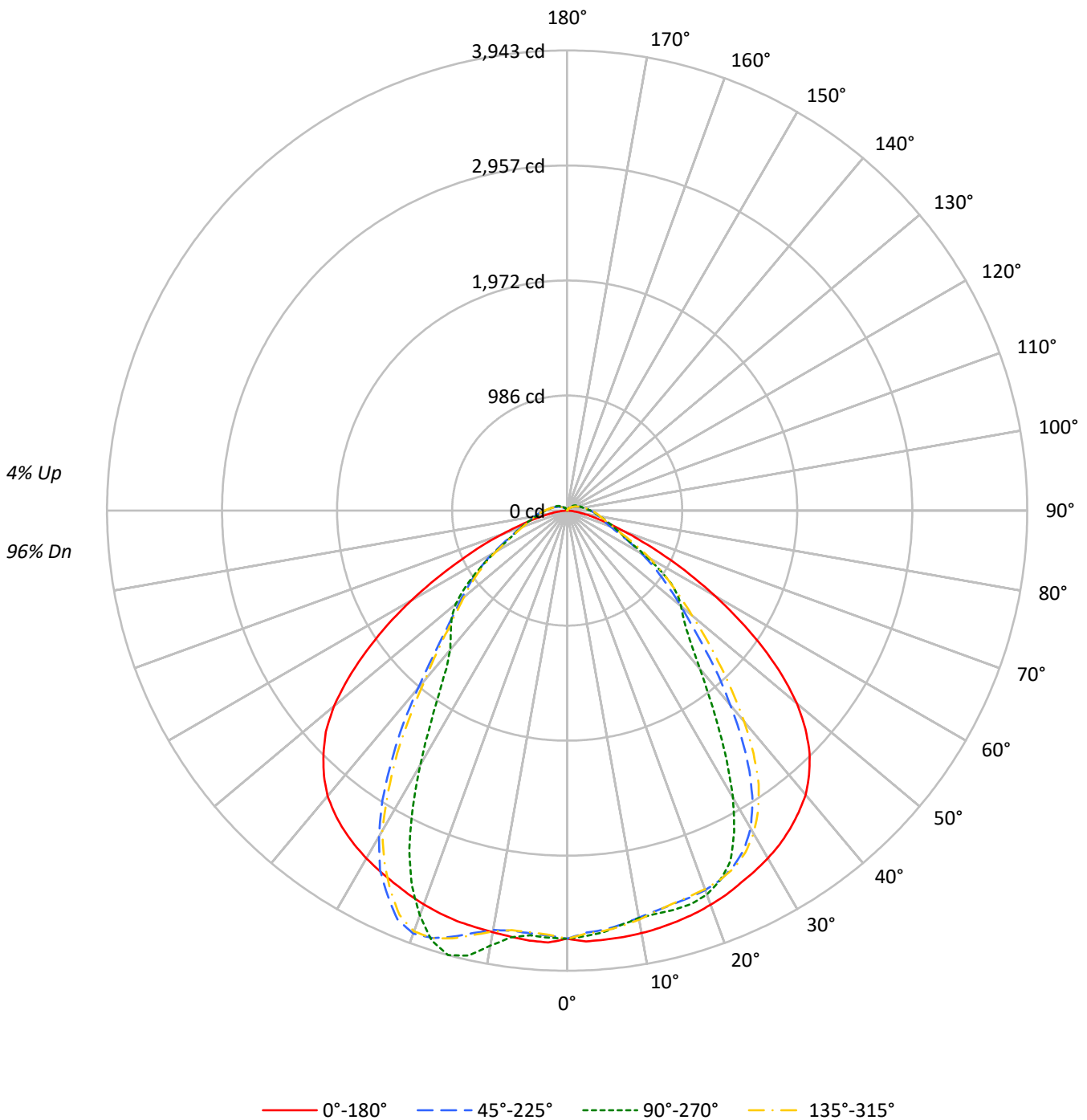
Input Watts (W): 62.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	236916	236916	236916	236916
5°	238424	174076	238915	175440
10°	239305	136334	238816	145587
15°	240932	114289	240807	127252
20°	243351	97993	243094	103296
25°	246094	82374	245962	79593
30°	250443	64004	250581	56703
35°	255037	46772	255765	39580
40°	258999	34213	260083	30142
45°	257685	26408	259009	25716
50°	246125	22184	249571	21689
55°	217881	18180	223312	16528
60°	176226	12657	185587	11606
65°	130518	8767	140618	8314
70°	88291	6804	99524	6506
75°	57291	5461	66707	5165
80°	36491	4463	42748	4106
85°	18070	3816	23792	3486



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	348.5	4.0
10°-20°	1036.8	11.9
20°-30°	1576.2	18.0
30°-40°	1690.9	19.3
40°-50°	1467.5	16.8
50°-60°	1087.5	12.4
60°-70°	623.1	7.1
70°-80°	345.1	3.9
80°-90°	210.1	2.4
90°-100°	136.6	1.6
100°-110°	91.5	1.0
110°-120°	61.8	0.7
120°-130°	37.9	0.4
130°-140°	19.9	0.2
140°-150°	9.1	0.1
150°-160°	2.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2961.4	33.9
0°-40°	4652.2	53.2
0°-60°	7207.3	82.4
0°-90°	8385.6	95.9
90°-120°	289.9	3.3
90°-150°	356.9	4.1
90°-180°	360.0	4.1
0°-180°	8745.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3668	3668	3668	3668	3668	
5°	3691	3625	3699	3653	3691	352
15°	3644	3541	3642	3943	3644	1031
25°	3521	3312	3519	3200	3521	1627
35°	3329	2255	3339	1908	3329	2084
45°	2939	1446	2954	1408	2939	2250
55°	2050	1084	2101	985	2050	1818
65°	930	550	1002	521	930	938
75°	265	349	309	330	265	303
85°	36	241	47	220	36	47
90°	0	201	4	186	0	2
95°	2	165	0	157	2	1
105°	2	123	2	118	2	2
115°	2	100	2	91	2	2
125°	2	76	2	62	2	2
135°	2	47	2	40	2	1
145°	2	28	4	23	2	1
155°	4	13	4	11	4	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°	3668.4	3668.4	3668.4	3668.4	3668.4	3668.4	3668.4	3668.4	3668.4	3668.4	3668.4
2.5°	3694.9	3685.4	3681.6	3674.0	3679.7	3702.5	3687.3	3662.7	3664.6	3621.0	3643.7
5°	3691.1	3679.7	3674.0	3666.5	3670.3	3691.1	3675.9	3651.3	3649.4	3605.8	3626.7
7.5°	3685.4	3674.0	3664.6	3658.9	3660.8	3677.8	3658.9	3630.5	3624.8	3577.4	3596.4
10°	3675.9	3668.4	3655.1	3645.6	3643.7	3662.7	3632.4	3603.9	3590.7	3541.4	3560.4
12.5°	3662.7	3651.3	3638.0	3621.0	3619.1	3630.5	3605.8	3566.0	3552.8	3513.0	3533.8
15°	3643.7	3630.5	3615.3	3596.4	3586.9	3594.5	3564.1	3528.1	3526.2	3492.1	3520.6
17.5°	3622.9	3603.9	3586.9	3560.4	3547.1	3552.8	3528.1	3495.9	3499.7	3478.9	3511.1
20°	3594.5	3573.6	3547.1	3520.6	3501.6	3511.1	3494.0	3469.4	3475.1	3459.9	3488.3
22.5°	3562.2	3533.8	3501.6	3471.3	3456.1	3469.4	3456.1	3435.3	3437.2	3427.7	3444.8
25°	3520.6	3488.3	3450.5	3412.6	3405.0	3414.5	3406.9	3389.8	3382.2	3367.1	3374.7
27.5°	3482.7	3446.7	3399.3	3359.5	3346.2	3365.2	3348.1	3319.7	3298.9	3278.0	3262.9
30°	3439.1	3395.5	3342.4	3297.0	3285.6	3293.2	3268.6	3225.0	3170.0	3143.5	3101.8
32.5°	3391.7	3334.9	3268.6	3217.4	3209.8	3204.1	3158.7	3096.1	3010.9	2957.8	2893.4
35°	3329.2	3266.7	3187.1	3124.5	3113.2	3081.0	3007.1	2923.7	2813.8	2722.8	2612.9
37.5°	3259.1	3185.2	3101.8	3018.4	2986.2	2921.8	2817.6	2730.4	2563.7	2453.8	2321.1
40°	3179.5	3090.4	2988.1	2887.7	2834.6	2730.4	2611.1	2482.2	2321.1	2173.3	2061.6
42.5°	3069.6	2974.9	2853.6	2741.8	2650.8	2512.5	2372.3	2190.4	2042.6	1917.5	1803.9
45°	2938.9	2825.2	2684.9	2550.4	2434.8	2270.0	2105.1	1923.2	1800.1	1654.2	1576.5
47.5°	2770.2	2647.1	2497.4	2347.7	2196.1	2014.2	1841.8	1667.4	1544.3	1440.1	1383.2
50°	2571.3	2457.6	2292.7	2114.6	1947.9	1758.4	1586.0	1455.2	1335.8	1271.4	1227.8
52.5°	2324.9	2218.8	2050.2	1856.9	1695.9	1510.2	1352.9	1246.8	1161.5	1114.1	1099.0
55°	2050.2	1957.3	1790.6	1610.6	1445.7	1275.2	1155.8	1063.0	1008.0	979.6	981.5
57.5°	1756.5	1684.5	1527.2	1366.2	1210.8	1081.9	973.9	900.0	858.3	856.5	862.1
60°	1462.8	1409.7	1273.3	1135.0	998.6	894.4	814.8	763.6	737.1	739.0	737.1
62.5°	1182.4	1133.1	1034.6	920.9	812.9	742.8	670.8	649.9	627.2	625.3	625.3
65°	930.4	892.5	812.9	731.4	649.9	604.4	568.4	543.8	526.8	523.0	524.9
67.5°	699.2	684.0	629.1	574.1	523.0	494.5	464.2	458.5	445.3	445.3	449.1
70°	521.1	509.7	479.4	447.2	426.3	407.4	392.2	392.2	390.3	388.4	397.9
72.5°	377.1	379.0	369.5	344.9	343.0	339.2	335.4	341.1	343.0	348.6	360.0
75°	265.3	271.0	271.0	267.2	274.7	284.2	289.9	299.4	310.7	318.3	331.6
77.5°	187.6	187.6	197.1	208.4	223.6	240.6	255.8	269.1	284.2	293.7	305.1
80°	121.3	127.0	142.1	163.0	183.8	206.5	227.4	244.4	259.6	274.7	282.3
82.5°	72.0	81.5	100.4	127.0	153.5	181.9	202.7	223.6	240.6	255.8	261.5
85°	36.0	49.3	72.0	100.4	128.8	159.2	185.7	204.6	223.6	236.9	244.4
87.5°	11.4	26.5	51.2	77.7	108.0	138.3	166.7	187.6	204.6	216.0	223.6
90°	0.0	13.3	36.0	64.4	92.8	123.2	149.7	172.4	189.5	199.0	204.6
92.5°	0.0	7.6	28.4	53.1	79.6	109.9	136.4	157.3	172.4	181.9	185.7
95°	1.9	5.7	20.8	43.6	70.1	98.5	123.2	142.1	157.3	166.7	168.6
97.5°	1.9	3.8	17.1	36.0	60.6	87.2	111.8	130.7	142.1	151.6	153.5
100°	1.9	3.8	13.3	32.2	53.1	77.7	100.4	117.5	130.7	138.3	140.2
102.5°	1.9	1.9	11.4	26.5	47.4	68.2	89.1	106.1	117.5	125.1	128.8
105°	1.9	1.9	9.5	22.7	41.7	60.6	79.6	96.6	106.1	113.7	117.5
107.5°	1.9	1.9	7.6	18.9	36.0	53.1	72.0	85.3	96.6	104.2	108.0
110°	1.9	1.9	5.7	17.1	30.3	47.4	62.5	75.8	87.2	94.7	98.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1.9	1.9	5.7	15.2	26.5	41.7	54.9	68.2	77.7	85.3	91.0
115°	1.9	1.9	5.7	13.3	24.6	36.0	49.3	60.6	70.1	77.7	83.4
117.5°	1.9	1.9	5.7	11.4	20.8	32.2	43.6	54.9	62.5	70.1	75.8
120°	1.9	1.9	3.8	9.5	18.9	28.4	37.9	47.4	56.8	64.4	70.1
122.5°	1.9	1.9	3.8	9.5	15.2	24.6	34.1	41.7	51.2	56.8	62.5
125°	1.9	1.9	3.8	7.6	13.3	22.7	30.3	37.9	43.6	51.2	56.8
127.5°	1.9	1.9	3.8	7.6	11.4	18.9	26.5	34.1	39.8	45.5	49.3
130°	1.9	1.9	3.8	5.7	9.5	15.2	22.7	28.4	36.0	39.8	43.6
132.5°	1.9	1.9	1.9	5.7	7.6	11.4	17.1	24.6	30.3	36.0	37.9
135°	1.9	1.9	1.9	3.8	7.6	9.5	13.3	18.9	24.6	30.3	34.1
137.5°	1.9	1.9	1.9	3.8	5.7	9.5	11.4	15.2	20.8	24.6	30.3
140°	1.9	1.9	1.9	3.8	5.7	7.6	9.5	13.3	17.1	20.8	24.6
142.5°	1.9	1.9	1.9	3.8	3.8	5.7	7.6	11.4	13.3	17.1	20.8
145°	1.9	1.9	1.9	3.8	3.8	5.7	7.6	9.5	11.4	13.3	17.1
147.5°	1.9	1.9	1.9	3.8	3.8	3.8	5.7	7.6	9.5	11.4	13.3
150°	3.8	3.8	3.8	3.8	3.8	3.8	5.7	5.7	7.6	9.5	11.4
152.5°	3.8	3.8	3.8	3.8	3.8	3.8	5.7	5.7	5.7	7.6	9.5
155°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.7	5.7	7.6	7.6
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°	3668.4	3668.4	3668.4	3668.4	3668.4	3668.4	3668.4	3668.4	3668.4	3668.4	3668.4
2.5°	3636.1	3639.9	3662.7	3660.8	3657.0	3653.2	3653.2	3649.4	3653.2	3662.7	3658.9
5°	3617.2	3622.9	3639.9	3638.0	3634.2	3632.4	3630.5	3624.8	3628.6	3641.8	3638.0
7.5°	3583.1	3588.8	3603.9	3596.4	3590.7	3594.5	3585.0	3579.3	3586.9	3600.1	3598.2
10°	3547.1	3550.9	3569.8	3566.0	3556.6	3558.5	3549.0	3545.2	3554.7	3562.2	3564.1
12.5°	3522.5	3535.7	3552.8	3550.9	3549.0	3550.9	3541.4	3537.6	3543.3	3550.9	3549.0
15°	3516.8	3533.8	3552.8	3552.8	3554.7	3556.6	3547.1	3541.4	3547.1	3552.8	3550.9
17.5°	3511.1	3531.9	3549.0	3547.1	3549.0	3552.8	3537.6	3533.8	3541.4	3549.0	3545.2
20°	3492.1	3511.1	3522.5	3518.7	3518.7	3520.6	3501.6	3501.6	3513.0	3518.7	3520.6
22.5°	3439.1	3461.8	3461.8	3452.3	3452.3	3444.8	3439.1	3427.7	3441.0	3450.5	3458.0
25°	3359.5	3369.0	3357.6	3336.8	3325.4	3315.9	3289.4	3312.1	3312.1	3340.6	3350.0
27.5°	3247.7	3226.9	3194.7	3151.1	3141.6	3111.3	3094.2	3099.9	3109.4	3149.2	3179.5
30°	3063.9	3001.4	2946.4	2927.5	2885.8	2855.5	2825.2	2840.3	2857.4	2880.1	2942.6
32.5°	2821.4	2760.7	2671.7	2639.5	2595.9	2558.0	2522.0	2544.7	2575.0	2590.2	2658.4
35°	2542.8	2470.8	2389.4	2334.4	2288.9	2268.1	2222.6	2254.8	2287.0	2298.4	2357.1
37.5°	2247.2	2173.3	2101.3	2054.0	2010.4	1997.1	1966.8	1989.6	2014.2	2031.2	2080.5
40°	1966.8	1898.6	1843.7	1811.4	1781.1	1769.8	1758.4	1767.9	1786.8	1800.1	1838.0
42.5°	1726.2	1671.2	1633.3	1614.4	1593.5	1578.4	1580.3	1584.1	1593.5	1622.0	1639.0
45°	1515.8	1483.6	1459.0	1455.2	1442.0	1440.1	1438.2	1445.7	1451.4	1468.5	1481.7
47.5°	1347.2	1333.9	1328.3	1335.8	1341.5	1333.9	1337.7	1347.2	1358.6	1358.6	1356.7
50°	1214.6	1218.4	1225.9	1243.0	1254.4	1258.2	1261.9	1273.3	1275.2	1279.0	1273.3
52.5°	1106.6	1110.4	1131.2	1157.7	1171.0	1176.7	1184.3	1195.6	1195.6	1199.4	1191.8
55°	996.7	1002.4	1023.2	1049.7	1061.1	1068.7	1076.3	1083.8	1089.5	1097.1	1091.4
57.5°	875.4	892.5	905.7	913.3	920.9	926.6	932.2	934.1	945.5	947.4	956.9
60°	746.6	750.3	763.6	761.7	756.0	771.2	763.6	776.9	790.1	807.2	809.1
62.5°	623.4	625.3	634.8	631.0	638.6	636.7	642.3	642.3	651.8	659.4	668.9
65°	526.8	528.7	536.2	536.2	534.3	540.0	545.7	549.5	549.5	555.2	562.8
67.5°	454.8	460.4	468.0	471.8	475.6	475.6	481.3	483.2	487.0	488.9	492.7
70°	405.5	413.1	420.6	424.4	426.3	430.1	432.0	432.0	435.8	437.7	441.5
72.5°	369.5	377.1	382.8	382.8	386.5	388.4	388.4	390.3	392.2	396.0	399.8
75°	339.2	344.9	348.6	346.8	346.8	346.8	348.6	348.6	352.4	356.2	360.0
77.5°	310.7	316.4	316.4	312.6	312.6	312.6	312.6	314.5	316.4	320.2	324.0
80°	289.9	289.9	288.0	288.0	284.2	282.3	282.3	284.2	284.2	288.0	293.7
82.5°	267.2	267.2	265.3	263.4	261.5	259.6	259.6	261.5	263.4	265.3	269.1
85°	246.3	246.3	242.5	242.5	240.6	240.6	240.6	240.6	242.5	244.4	248.2
87.5°	225.5	223.6	221.7	219.8	219.8	219.8	219.8	219.8	221.7	225.5	227.4
90°	204.6	202.7	200.9	200.9	199.0	199.0	200.9	200.9	202.7	204.6	206.5
92.5°	185.7	183.8	181.9	181.9	180.0	180.0	181.9	180.0	183.8	183.8	185.7
95°	168.6	166.7	164.8	164.8	164.8	164.8	164.8	164.8	166.7	166.7	168.6
97.5°	153.5	151.6	149.7	149.7	151.6	149.7	151.6	151.6	151.6	153.5	155.4
100°	140.2	138.3	138.3	140.2	138.3	138.3	140.2	140.2	140.2	140.2	142.1
102.5°	128.8	128.8	128.8	128.8	128.8	128.8	130.7	130.7	130.7	130.7	132.6
105°	117.5	119.4	119.4	119.4	121.3	121.3	121.3	123.2	123.2	123.2	123.2
107.5°	109.9	111.8	111.8	113.7	113.7	115.6	115.6	115.6	115.6	117.5	117.5
110°	102.3	104.2	106.1	108.0	108.0	109.9	109.9	109.9	109.9	109.9	109.9



TEST NUMBER: P290210

CATALOG NUMBER: 4SSRK-LC-80-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	94.7	96.6	98.5	102.3	104.2	104.2	104.2	104.2	106.1	106.1	104.2
115°	87.2	91.0	92.8	96.6	98.5	98.5	100.4	100.4	100.4	100.4	98.5
117.5°	79.6	85.3	87.2	91.0	92.8	92.8	94.7	94.7	94.7	94.7	92.8
120°	73.9	77.7	81.5	83.4	85.3	87.2	87.2	89.1	89.1	89.1	87.2
122.5°	68.2	72.0	75.8	77.7	79.6	81.5	81.5	81.5	81.5	81.5	81.5
125°	60.6	64.4	68.2	70.1	72.0	73.9	73.9	75.8	75.8	75.8	73.9
127.5°	54.9	58.7	60.6	64.4	66.3	66.3	68.2	68.2	68.2	68.2	66.3
130°	47.4	51.2	54.9	56.8	58.7	58.7	60.6	60.6	60.6	60.6	60.6
132.5°	41.7	45.5	47.4	51.2	51.2	53.1	53.1	54.9	54.9	54.9	53.1
135°	37.9	39.8	41.7	45.5	45.5	47.4	47.4	47.4	47.4	47.4	47.4
137.5°	34.1	36.0	37.9	39.8	39.8	41.7	41.7	41.7	41.7	43.6	41.7
140°	28.4	32.2	34.1	34.1	36.0	36.0	36.0	37.9	37.9	37.9	36.0
142.5°	24.6	26.5	28.4	30.3	32.2	32.2	32.2	32.2	34.1	32.2	32.2
145°	18.9	22.7	24.6	26.5	28.4	28.4	28.4	28.4	28.4	28.4	28.4
147.5°	15.2	17.1	20.8	22.7	22.7	24.6	24.6	24.6	24.6	24.6	24.6
150°	13.3	13.3	17.1	18.9	20.8	20.8	20.8	20.8	20.8	20.8	20.8
152.5°	9.5	11.4	13.3	15.2	17.1	17.1	17.1	17.1	17.1	17.1	17.1
155°	9.5	9.5	11.4	11.4	13.3	13.3	13.3	13.3	15.2	13.3	13.3
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: P290210

CATALOG NUMBER: 4SSRK-LC-80-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	3668.4	3668.4	3668.4	3668.4	3668.4	3668.4	3668.4	3668.4	3668.4	3668.4	3668.4
2.5°	3653.2	3651.3	3658.9	3651.3	3613.4	3628.6	3622.9	3643.7	3645.6	3651.3	3670.3
5°	3634.2	3634.2	3643.7	3636.1	3600.1	3615.3	3613.4	3634.2	3638.0	3641.8	3662.7
7.5°	3596.4	3598.2	3611.5	3605.8	3567.9	3590.7	3588.8	3613.4	3621.0	3628.6	3647.5
10°	3560.4	3558.5	3573.6	3567.9	3531.9	3558.5	3556.6	3581.2	3592.6	3605.8	3628.6
12.5°	3541.4	3535.7	3541.4	3535.7	3495.9	3516.8	3518.7	3547.1	3560.4	3577.4	3603.9
15°	3541.4	3531.9	3531.9	3520.6	3475.1	3488.3	3490.2	3509.2	3526.2	3543.3	3575.5
17.5°	3537.6	3528.1	3526.2	3516.8	3467.5	3467.5	3465.6	3478.9	3488.3	3505.4	3539.5
20°	3516.8	3513.0	3511.1	3505.4	3459.9	3452.3	3448.6	3448.6	3454.2	3459.9	3494.0
22.5°	3461.8	3465.6	3469.4	3473.2	3437.2	3423.9	3425.8	3422.0	3416.3	3416.3	3444.8
25°	3359.5	3378.4	3393.6	3410.7	3389.8	3380.3	3391.7	3386.0	3376.6	3369.0	3393.6
27.5°	3196.5	3236.3	3268.6	3310.2	3312.1	3304.6	3334.9	3331.1	3329.2	3317.8	3336.8
30°	2971.1	3033.6	3077.2	3137.8	3189.0	3196.5	3247.7	3255.3	3262.9	3257.2	3276.1
32.5°	2698.2	2783.5	2857.4	2952.1	3001.4	3045.0	3117.0	3147.3	3177.6	3187.1	3207.9
35°	2400.7	2497.4	2584.5	2688.7	2766.4	2861.2	2948.3	2993.8	3062.0	3088.5	3118.9
37.5°	2118.4	2209.4	2294.6	2398.8	2523.9	2622.4	2730.4	2832.7	2925.6	2963.5	3009.0
40°	1868.3	1942.2	2023.7	2114.6	2228.3	2357.1	2474.6	2616.7	2726.6	2802.4	2868.7
42.5°	1678.8	1714.8	1784.9	1866.4	1957.3	2088.1	2207.5	2366.6	2499.3	2607.3	2717.2
45°	1510.2	1527.2	1578.4	1622.0	1714.8	1830.4	1957.3	2112.7	2251.0	2389.4	2522.0
47.5°	1366.2	1387.0	1411.6	1438.2	1504.5	1601.1	1711.0	1851.2	1989.6	2150.6	2302.2
50°	1269.5	1275.2	1279.0	1290.4	1330.2	1396.5	1485.5	1604.9	1737.5	1910.0	2071.0
52.5°	1184.3	1184.3	1172.9	1167.2	1182.4	1224.0	1275.2	1360.5	1496.9	1656.1	1826.6
55°	1093.3	1076.3	1072.5	1053.5	1057.3	1076.3	1100.9	1167.2	1279.0	1415.4	1580.3
57.5°	966.4	958.8	958.8	951.2	936.0	945.5	951.2	998.6	1078.1	1195.6	1339.6
60°	820.5	816.7	826.1	828.0	814.8	820.5	818.6	847.0	903.8	998.6	1117.9
62.5°	674.6	691.6	693.5	701.1	693.5	691.6	701.1	725.7	754.1	826.1	919.0
65°	566.5	576.0	577.9	587.4	583.6	583.6	591.2	610.1	627.2	676.4	748.5
67.5°	496.4	492.7	494.5	500.2	494.5	492.7	498.3	509.7	523.0	553.3	604.4
70°	441.5	437.7	437.7	437.7	430.1	424.4	426.3	430.1	435.8	452.9	485.1
72.5°	399.8	399.8	394.1	388.4	382.8	379.0	375.2	371.4	369.5	375.2	392.2
75°	361.9	363.8	361.9	356.2	348.6	341.1	333.5	325.9	316.4	312.6	314.5
77.5°	327.8	329.7	331.6	329.7	322.1	312.6	301.3	289.9	276.6	263.4	255.8
80°	297.5	301.3	303.2	301.3	295.6	288.0	274.7	261.5	242.5	225.5	206.5
82.5°	271.0	276.6	278.5	278.5	274.7	267.2	252.0	236.9	216.0	193.3	168.6
85°	250.1	253.9	257.7	257.7	255.8	248.2	233.1	216.0	195.2	168.6	142.1
87.5°	229.3	231.2	235.0	238.7	235.0	227.4	214.1	195.2	174.3	147.8	117.5
90°	208.4	210.3	214.1	217.9	216.0	208.4	197.1	180.0	157.3	128.8	98.5
92.5°	187.6	191.4	193.3	195.2	197.1	191.4	181.9	164.8	142.1	113.7	85.3
95°	172.4	172.4	176.2	178.1	180.0	174.3	166.7	149.7	128.8	102.3	73.9
97.5°	157.3	157.3	161.1	161.1	163.0	159.2	151.6	136.4	115.6	91.0	62.5
100°	142.1	144.0	145.9	147.8	147.8	145.9	138.3	123.2	104.2	81.5	54.9
102.5°	132.6	132.6	134.5	134.5	136.4	132.6	125.1	111.8	92.8	72.0	47.4
105°	123.2	123.2	125.1	125.1	123.2	119.4	111.8	100.4	83.4	62.5	41.7
107.5°	115.6	115.6	115.6	115.6	113.7	109.9	102.3	89.1	73.9	56.8	37.9
110°	109.9	108.0	108.0	106.1	104.2	98.5	91.0	79.6	66.3	49.3	32.2



TEST NUMBER: P290210

CATALOG NUMBER: 4SSRK-LC-80-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	104.2	102.3	100.4	98.5	94.7	89.1	81.5	72.0	58.7	43.6	28.4
115°	98.5	96.6	94.7	91.0	87.2	81.5	73.9	64.4	51.2	37.9	24.6
117.5°	92.8	91.0	87.2	83.4	79.6	73.9	66.3	56.8	45.5	34.1	22.7
120°	85.3	83.4	81.5	77.7	73.9	66.3	58.7	51.2	39.8	30.3	18.9
122.5°	79.6	77.7	73.9	72.0	66.3	60.6	53.1	45.5	36.0	26.5	17.1
125°	72.0	70.1	68.2	64.4	60.6	53.1	47.4	39.8	32.2	22.7	13.3
127.5°	66.3	64.4	60.6	56.8	53.1	47.4	41.7	36.0	28.4	18.9	13.3
130°	58.7	56.8	54.9	51.2	47.4	41.7	37.9	30.3	24.6	17.1	11.4
132.5°	51.2	51.2	49.3	45.5	41.7	37.9	32.2	26.5	20.8	15.2	9.5
135°	47.4	45.5	43.6	39.8	37.9	32.2	28.4	22.7	17.1	13.3	7.6
137.5°	41.7	39.8	37.9	36.0	32.2	28.4	24.6	18.9	15.2	11.4	7.6
140°	36.0	34.1	34.1	30.3	28.4	24.6	20.8	17.1	13.3	9.5	5.7
142.5°	32.2	30.3	28.4	26.5	24.6	20.8	17.1	13.3	11.4	7.6	5.7
145°	28.4	26.5	24.6	22.7	20.8	17.1	15.2	11.4	9.5	7.6	5.7
147.5°	22.7	22.7	20.8	18.9	17.1	15.2	13.3	11.4	7.6	5.7	3.8
150°	18.9	18.9	17.1	15.2	15.2	13.3	11.4	9.5	7.6	5.7	3.8
152.5°	17.1	15.2	15.2	13.3	13.3	11.4	9.5	7.6	5.7	5.7	3.8
155°	13.3	13.3	13.3	11.4	11.4	9.5	7.6	7.6	5.7	3.8	3.8
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: P290210

CATALOG NUMBER: 4SSRK-LC-80-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3668.4	3668.4	3668.4	3668.4	3668.4	3668.4	3668.4	3668.4	3668.4	3668.4	3668.4
2.5°	3674.0	3651.3	3670.3	3704.4	3700.6	3696.8	3693.0	3700.6	3725.2	3711.9	3691.1
5°	3668.4	3645.6	3666.5	3698.7	3696.8	3691.1	3687.3	3694.9	3719.5	3706.3	3683.5
7.5°	3657.0	3636.1	3651.3	3683.5	3683.5	3679.7	3675.9	3683.5	3706.3	3694.9	3672.1
10°	3638.0	3622.9	3638.0	3668.4	3670.3	3662.7	3658.9	3668.4	3691.1	3685.4	3666.5
12.5°	3622.9	3607.7	3624.8	3655.1	3657.0	3649.4	3643.7	3655.1	3685.4	3689.2	3683.5
15°	3602.0	3588.8	3609.6	3641.8	3641.8	3636.1	3636.1	3651.3	3693.0	3710.0	3719.5
17.5°	3571.7	3562.2	3586.9	3619.1	3621.0	3617.2	3619.1	3649.4	3704.4	3746.0	3772.6
20°	3533.8	3530.0	3556.6	3590.7	3596.4	3598.2	3607.7	3653.2	3729.0	3785.8	3812.4
22.5°	3488.3	3490.2	3520.6	3556.6	3564.1	3569.8	3588.8	3653.2	3747.9	3808.6	3819.9
25°	3437.2	3442.9	3475.1	3518.7	3528.1	3539.5	3571.7	3655.1	3753.6	3793.4	3774.5
27.5°	3382.2	3393.6	3435.3	3480.8	3492.1	3511.1	3552.8	3643.7	3727.1	3729.0	3658.9
30°	3325.4	3338.7	3387.9	3441.0	3459.9	3478.9	3530.0	3617.2	3662.7	3602.0	3478.9
32.5°	3261.0	3279.9	3329.2	3393.6	3416.3	3441.0	3492.1	3566.0	3549.0	3418.2	3242.0
35°	3179.5	3206.0	3262.9	3338.7	3359.5	3391.7	3427.7	3444.8	3369.0	3183.3	2984.3
37.5°	3079.1	3118.9	3185.2	3272.3	3295.1	3315.9	3325.4	3278.0	3126.4	2925.6	2719.1
40°	2963.5	3024.1	3096.1	3192.8	3215.5	3215.5	3181.4	3081.0	2889.6	2626.2	2396.9
42.5°	2823.3	2897.2	2988.1	3084.8	3107.5	3081.0	2999.5	2823.3	2605.4	2311.7	2069.1
45°	2652.7	2751.3	2853.6	2954.0	2965.4	2906.6	2760.7	2537.2	2268.1	1995.2	1764.1
47.5°	2450.0	2578.8	2690.6	2804.3	2789.2	2690.6	2495.5	2241.6	1957.3	1699.6	1514.0
50°	2222.6	2374.2	2499.3	2607.3	2575.0	2438.6	2209.4	1944.1	1661.8	1442.0	1288.5
52.5°	1980.1	2154.4	2279.5	2366.6	2323.0	2160.1	1908.1	1654.2	1423.0	1222.2	1119.8
55°	1728.1	1904.3	2033.1	2101.3	2044.5	1868.3	1620.1	1388.9	1171.0	1040.3	979.6
57.5°	1483.6	1648.5	1769.8	1824.7	1752.7	1576.5	1347.2	1152.0	994.8	884.9	854.6
60°	1248.7	1383.2	1498.8	1540.5	1462.8	1299.8	1102.8	947.4	831.8	756.0	740.9
62.5°	1030.8	1140.7	1231.6	1263.8	1188.0	1061.1	890.6	775.0	693.5	655.6	636.7
65°	850.8	915.2	1008.0	1002.4	956.9	839.4	714.3	632.9	579.8	555.2	543.8
67.5°	668.9	727.6	786.3	793.9	737.1	655.6	574.1	515.4	487.0	473.7	468.0
70°	517.3	560.9	596.9	587.4	557.1	505.9	454.8	422.5	411.2	405.5	405.5
72.5°	401.7	424.4	441.5	430.1	411.2	384.6	360.0	346.8	348.6	352.4	356.2
75°	310.7	316.4	320.2	308.9	305.1	288.0	286.1	288.0	299.4	310.7	316.4
77.5°	238.7	231.2	225.5	214.1	216.0	214.1	223.6	238.7	255.8	272.9	288.0
80°	183.8	166.7	153.5	142.1	147.8	157.3	176.2	199.0	221.7	240.6	259.6
82.5°	142.1	117.5	98.5	87.2	98.5	113.7	138.3	166.7	193.3	214.1	235.0
85°	109.9	81.5	58.7	47.4	58.7	81.5	108.0	140.2	168.6	191.4	212.2
87.5°	85.3	58.7	32.2	18.9	32.2	56.8	87.2	117.5	145.9	172.4	193.3
90°	68.2	39.8	15.2	3.8	17.1	39.8	68.2	98.5	127.0	155.4	176.2
92.5°	54.9	28.4	7.6	0.0	9.5	30.3	56.8	85.3	113.7	140.2	161.1
95°	45.5	22.7	5.7	0.0	7.6	22.7	45.5	73.9	100.4	127.0	144.0
97.5°	37.9	17.1	3.8	0.0	3.8	18.9	37.9	62.5	89.1	113.7	130.7
100°	32.2	15.2	3.8	0.0	3.8	15.2	32.2	54.9	77.7	100.4	117.5
102.5°	26.5	11.4	1.9	1.9	1.9	11.4	28.4	47.4	68.2	89.1	106.1
105°	24.6	9.5	1.9	1.9	1.9	9.5	24.6	41.7	60.6	79.6	94.7
107.5°	20.8	7.6	1.9	1.9	1.9	7.6	20.8	36.0	54.9	72.0	85.3
110°	17.1	7.6	1.9	1.9	1.9	7.6	17.1	32.2	47.4	62.5	75.8



TEST NUMBER: P290210

CATALOG NUMBER: 4SSRK-LC-80-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	15.2	5.7	1.9	1.9	1.9	5.7	15.2	28.4	41.7	56.8	68.2
115°	13.3	5.7	1.9	1.9	1.9	5.7	13.3	24.6	36.0	49.3	60.6
117.5°	11.4	5.7	1.9	1.9	1.9	3.8	11.4	20.8	32.2	43.6	54.9
120°	9.5	3.8	1.9	1.9	1.9	3.8	9.5	18.9	28.4	37.9	47.4
122.5°	9.5	3.8	1.9	1.9	1.9	3.8	7.6	15.2	24.6	32.2	41.7
125°	7.6	3.8	1.9	1.9	1.9	1.9	7.6	13.3	20.8	28.4	36.0
127.5°	7.6	3.8	1.9	1.9	1.9	1.9	5.7	11.4	17.1	24.6	32.2
130°	5.7	3.8	1.9	1.9	1.9	1.9	3.8	9.5	15.2	20.8	26.5
132.5°	5.7	3.8	1.9	1.9	1.9	1.9	3.8	7.6	11.4	17.1	22.7
135°	5.7	1.9	1.9	1.9	1.9	1.9	1.9	5.7	9.5	13.3	17.1
137.5°	3.8	1.9	1.9	1.9	1.9	1.9	1.9	3.8	7.6	9.5	15.2
140°	3.8	1.9	1.9	1.9	1.9	1.9	1.9	3.8	5.7	7.6	11.4
142.5°	3.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.8	5.7	9.5
145°	3.8	1.9	1.9	3.8	3.8	1.9	1.9	3.8	3.8	5.7	7.6
147.5°	3.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.8	3.8	5.7
150°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.7
152.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
155°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
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: P290210

CATALOG NUMBER: 4SSRK-LC-80-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3668.4	3668.4	3668.4	3668.4	3668.4	3668.4	3668.4	3668.4	3668.4	3668.4	3668.4
2.5°	3687.3	3643.7	3666.5	3658.9	3666.5	3685.4	3683.5	3677.8	3681.6	3672.1	3662.7
5°	3679.7	3636.1	3658.9	3649.4	3658.9	3677.8	3674.0	3668.4	3674.0	3662.7	3653.2
7.5°	3670.3	3630.5	3657.0	3655.1	3672.1	3696.8	3698.7	3698.7	3711.9	3694.9	3687.3
10°	3670.3	3649.4	3685.4	3698.7	3742.3	3774.5	3778.3	3785.8	3808.6	3804.8	3785.8
12.5°	3710.0	3706.3	3759.3	3791.5	3831.3	3876.8	3901.4	3909.0	3924.2	3912.8	3905.2
15°	3761.2	3780.1	3838.9	3874.9	3918.5	3952.6	3958.3	3962.1	3973.4	3956.4	3943.1
17.5°	3829.4	3840.8	3888.2	3903.3	3931.7	3937.4	3929.8	3910.9	3910.9	3873.0	3861.6
20°	3861.6	3855.9	3874.9	3850.3	3838.9	3804.8	3772.6	3736.6	3734.7	3694.9	3691.1
22.5°	3833.2	3795.3	3755.5	3694.9	3668.4	3619.1	3575.5	3554.7	3541.4	3490.2	3477.0
25°	3732.8	3639.9	3581.2	3509.2	3444.8	3387.9	3346.2	3302.7	3261.0	3219.3	3200.3
27.5°	3558.5	3471.3	3376.6	3276.1	3187.1	3099.9	3029.8	2986.2	2946.4	2891.5	2863.1
30°	3344.3	3223.1	3118.9	3022.2	2876.3	2770.2	2711.5	2624.3	2594.0	2569.4	2516.3
32.5°	3092.3	2946.4	2804.3	2673.6	2523.9	2425.4	2347.7	2283.2	2264.3	2199.9	2184.7
35°	2813.8	2622.4	2461.4	2332.5	2224.5	2105.1	2040.7	1997.1	1959.2	1915.7	1908.1
37.5°	2486.0	2313.6	2131.7	2018.0	1932.7	1830.4	1781.1	1750.8	1733.8	1701.5	1695.9
40°	2156.3	1983.9	1858.8	1745.1	1692.1	1637.1	1601.1	1587.9	1580.3	1568.9	1557.5
42.5°	1856.9	1705.3	1616.3	1540.5	1517.7	1491.2	1481.7	1489.3	1481.7	1478.0	1476.1
45°	1603.0	1487.4	1424.9	1402.2	1396.5	1388.9	1396.5	1409.7	1411.6	1407.8	1407.8
47.5°	1371.8	1316.9	1290.4	1294.2	1303.6	1309.3	1322.6	1339.6	1343.4	1333.9	1337.7
50°	1220.3	1188.0	1182.4	1197.5	1218.4	1225.9	1241.1	1254.4	1252.5	1248.7	1244.9
52.5°	1078.1	1068.7	1083.8	1099.0	1121.7	1125.5	1131.2	1136.9	1135.0	1127.4	1123.6
55°	958.8	966.4	979.6	985.3	1002.4	1000.5	1002.4	1002.4	994.8	991.0	985.3
57.5°	850.8	852.7	860.2	862.1	871.6	867.8	865.9	862.1	850.8	848.9	843.2
60°	740.9	737.1	754.1	740.9	748.5	740.9	739.0	729.5	718.1	716.2	712.4
62.5°	636.7	629.1	640.4	634.8	638.6	631.0	627.2	615.8	606.3	604.4	602.6
65°	543.8	540.0	551.4	549.5	553.3	543.8	540.0	532.4	524.9	523.0	521.1
67.5°	466.1	475.6	481.3	481.3	485.1	483.2	473.7	471.8	469.9	462.3	462.3
70°	409.3	415.0	426.3	428.2	426.3	430.1	422.5	420.6	418.8	415.0	413.1
72.5°	363.8	371.4	382.8	384.6	382.8	382.8	379.0	377.1	377.1	371.4	371.4
75°	327.8	337.3	346.8	346.8	346.8	343.0	339.2	339.2	335.4	333.5	329.7
77.5°	297.5	308.9	316.4	314.5	312.6	308.9	308.9	303.2	297.5	297.5	293.7
80°	274.7	282.3	288.0	286.1	284.2	278.5	276.6	271.0	267.2	261.5	261.5
82.5°	250.1	259.6	263.4	261.5	257.7	252.0	250.1	246.3	242.5	240.6	236.9
85°	229.3	238.7	240.6	236.9	233.1	229.3	227.4	225.5	223.6	219.8	219.8
87.5°	208.4	217.9	217.9	216.0	212.2	210.3	208.4	206.5	204.6	202.7	200.9
90°	191.4	199.0	199.0	197.1	195.2	193.3	191.4	189.5	187.6	185.7	185.7
92.5°	174.3	181.9	181.9	180.0	178.1	176.2	176.2	174.3	172.4	170.5	168.6
95°	159.2	166.7	166.7	166.7	164.8	163.0	163.0	161.1	159.2	159.2	157.3
97.5°	144.0	151.6	151.6	151.6	149.7	147.8	147.8	145.9	145.9	145.9	144.0
100°	130.7	136.4	138.3	138.3	136.4	136.4	136.4	134.5	134.5	134.5	132.6
102.5°	117.5	123.2	127.0	127.0	127.0	125.1	125.1	125.1	125.1	125.1	123.2
105°	106.1	111.8	115.6	117.5	117.5	117.5	117.5	117.5	117.5	117.5	117.5
107.5°	96.6	102.3	106.1	108.0	109.9	109.9	111.8	111.8	111.8	111.8	111.8
110°	87.2	92.8	98.5	100.4	102.3	104.2	104.2	106.1	104.2	104.2	104.2



TEST NUMBER: P290210

CATALOG NUMBER: 4SSRK-LC-80-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	77.7	85.3	89.1	92.8	94.7	96.6	98.5	98.5	98.5	98.5	98.5
115°	70.1	77.7	81.5	85.3	89.1	91.0	91.0	92.8	92.8	92.8	91.0
117.5°	62.5	70.1	73.9	77.7	79.6	83.4	85.3	85.3	85.3	85.3	83.4
120°	56.8	62.5	66.3	70.1	73.9	75.8	77.7	77.7	77.7	77.7	77.7
122.5°	49.3	54.9	60.6	64.4	66.3	68.2	70.1	70.1	70.1	70.1	70.1
125°	43.6	49.3	53.1	56.8	58.7	62.5	62.5	62.5	62.5	62.5	62.5
127.5°	37.9	43.6	47.4	51.2	53.1	54.9	56.8	56.8	56.8	56.8	56.8
130°	32.2	37.9	41.7	45.5	47.4	49.3	49.3	51.2	51.2	51.2	51.2
132.5°	28.4	32.2	36.0	39.8	41.7	43.6	43.6	45.5	45.5	45.5	45.5
135°	22.7	28.4	30.3	34.1	36.0	37.9	37.9	39.8	39.8	39.8	39.8
137.5°	18.9	22.7	26.5	30.3	32.2	32.2	34.1	34.1	36.0	36.0	36.0
140°	15.2	17.1	22.7	24.6	26.5	28.4	30.3	30.3	30.3	30.3	30.3
142.5°	11.4	15.2	17.1	20.8	22.7	24.6	26.5	26.5	26.5	26.5	26.5
145°	9.5	11.4	13.3	17.1	18.9	20.8	22.7	22.7	22.7	22.7	22.7
147.5°	7.6	9.5	11.4	13.3	15.2	17.1	18.9	18.9	18.9	18.9	18.9
150°	5.7	7.6	9.5	9.5	11.4	13.3	15.2	17.1	17.1	17.1	17.1
152.5°	5.7	5.7	7.6	7.6	9.5	11.4	13.3	13.3	13.3	13.3	13.3
155°	3.8	5.7	5.7	5.7	7.6	7.6	9.5	11.4	11.4	11.4	11.4
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: P290210

CATALOG NUMBER: 4SSRK-LC-80-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3668.4	3668.4	3668.4	3668.4	3668.4	3668.4	3668.4	3668.4	3668.4	3668.4	3668.4
2.5°	3668.4	3675.9	3672.1	3666.5	3664.6	3674.0	3664.6	3621.0	3638.0	3639.9	3653.2
5°	3662.7	3668.4	3664.6	3660.8	3655.1	3666.5	3655.1	3609.6	3626.7	3628.6	3641.8
7.5°	3700.6	3702.5	3702.5	3693.0	3677.8	3683.5	3668.4	3617.2	3626.7	3626.7	3636.1
10°	3795.3	3799.1	3804.8	3780.1	3761.2	3746.0	3725.2	3662.7	3660.8	3645.6	3645.6
12.5°	3918.5	3909.0	3899.5	3888.2	3873.0	3854.0	3823.7	3749.8	3725.2	3700.6	3675.9
15°	3954.5	3950.7	3948.8	3943.1	3933.6	3927.9	3905.2	3831.3	3795.3	3765.0	3721.4
17.5°	3859.7	3867.3	3891.9	3893.8	3905.2	3927.9	3924.2	3873.0	3840.8	3827.5	3774.5
20°	3689.2	3691.1	3721.4	3734.7	3783.9	3821.8	3850.3	3844.6	3837.0	3852.2	3812.4
22.5°	3484.6	3497.8	3530.0	3550.9	3598.2	3641.8	3687.3	3711.9	3751.7	3814.3	3806.7
25°	3206.0	3223.1	3268.6	3302.7	3369.0	3435.3	3495.9	3539.5	3586.9	3706.3	3746.0
27.5°	2872.5	2899.1	2957.8	2991.9	3084.8	3153.0	3240.1	3325.4	3391.7	3528.1	3609.6
30°	2522.0	2544.7	2607.3	2654.6	2734.2	2827.1	2937.0	3058.2	3168.1	3306.4	3408.8
32.5°	2194.2	2218.8	2270.0	2311.7	2400.7	2478.4	2599.7	2749.4	2851.7	3043.1	3179.5
35°	1908.1	1930.8	1966.8	2002.8	2076.7	2156.3	2260.5	2406.4	2537.2	2736.1	2908.5
37.5°	1707.2	1711.0	1731.9	1752.7	1807.7	1868.3	1949.8	2078.6	2199.9	2414.0	2603.5
40°	1563.2	1563.2	1574.6	1580.3	1604.9	1640.9	1692.1	1792.5	1892.9	2055.9	2287.0
42.5°	1474.2	1470.4	1470.4	1472.3	1470.4	1487.4	1517.7	1565.1	1654.2	1788.7	1968.7
45°	1407.8	1400.3	1394.6	1381.3	1373.7	1373.7	1375.6	1392.7	1443.8	1531.0	1676.9
47.5°	1333.9	1332.1	1322.6	1307.4	1294.2	1284.7	1269.5	1263.8	1279.0	1328.3	1426.8
50°	1248.7	1239.2	1229.7	1218.4	1203.2	1193.7	1165.3	1167.2	1153.9	1176.7	1227.8
52.5°	1123.6	1116.0	1112.3	1102.8	1097.1	1093.3	1070.6	1047.8	1042.1	1045.9	1064.9
55°	985.3	989.1	973.9	981.5	979.6	962.6	953.1	936.0	930.4	928.5	937.9
57.5°	841.3	845.1	835.6	843.2	843.2	833.7	828.0	828.0	814.8	803.4	816.7
60°	710.6	703.0	708.7	718.1	718.1	712.4	708.7	708.7	699.2	695.4	704.9
62.5°	604.4	596.9	602.6	612.0	613.9	610.1	606.3	606.3	595.0	595.0	602.6
65°	523.0	524.9	523.0	530.5	530.5	532.4	528.7	524.9	511.6	517.3	515.4
67.5°	464.2	462.3	462.3	469.9	468.0	471.8	468.0	462.3	452.9	445.3	443.4
70°	415.0	413.1	413.1	416.9	418.8	418.8	416.9	413.1	399.8	392.2	386.5
72.5°	371.4	369.5	371.4	373.3	375.2	377.1	375.2	371.4	360.0	350.5	341.1
75°	331.6	329.7	335.4	335.4	337.3	337.3	339.2	337.3	327.8	316.4	305.1
77.5°	291.8	293.7	299.4	301.3	305.1	307.0	308.9	308.9	299.4	289.9	274.7
80°	259.6	263.4	267.2	269.1	272.9	278.5	280.4	282.3	274.7	265.3	248.2
82.5°	236.9	238.7	242.5	244.4	250.1	252.0	253.9	257.7	253.9	244.4	225.5
85°	217.9	219.8	223.6	223.6	227.4	231.2	233.1	235.0	233.1	223.6	204.6
87.5°	200.9	202.7	204.6	206.5	208.4	210.3	212.2	214.1	212.2	202.7	185.7
90°	185.7	185.7	187.6	187.6	189.5	191.4	195.2	195.2	193.3	185.7	168.6
92.5°	168.6	170.5	170.5	172.4	174.3	176.2	178.1	178.1	176.2	168.6	153.5
95°	157.3	157.3	159.2	159.2	161.1	161.1	163.0	163.0	161.1	153.5	138.3
97.5°	144.0	144.0	144.0	144.0	145.9	145.9	147.8	147.8	145.9	138.3	125.1
100°	132.6	132.6	132.6	132.6	132.6	134.5	134.5	134.5	132.6	125.1	111.8
102.5°	123.2	123.2	123.2	123.2	123.2	123.2	123.2	123.2	119.4	113.7	100.4
105°	117.5	117.5	117.5	115.6	115.6	115.6	113.7	113.7	108.0	102.3	91.0
107.5°	109.9	109.9	109.9	108.0	108.0	106.1	104.2	104.2	98.5	92.8	81.5
110°	104.2	104.2	104.2	102.3	100.4	98.5	96.6	94.7	89.1	81.5	72.0



TEST NUMBER: P290210

CATALOG NUMBER: 4SSRK-LC-80-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	98.5	98.5	96.6	96.6	94.7	92.8	89.1	87.2	81.5	73.9	64.4
115°	91.0	91.0	91.0	89.1	87.2	85.3	83.4	79.6	73.9	66.3	56.8
117.5°	83.4	83.4	83.4	81.5	79.6	77.7	75.8	72.0	66.3	58.7	51.2
120°	75.8	75.8	75.8	73.9	72.0	70.1	68.2	64.4	58.7	53.1	43.6
122.5°	70.1	70.1	68.2	66.3	64.4	62.5	60.6	56.8	53.1	45.5	37.9
125°	62.5	62.5	60.6	60.6	58.7	56.8	54.9	51.2	45.5	39.8	34.1
127.5°	56.8	54.9	54.9	54.9	53.1	51.2	47.4	45.5	39.8	34.1	28.4
130°	49.3	49.3	49.3	47.4	47.4	45.5	41.7	37.9	34.1	30.3	24.6
132.5°	43.6	43.6	43.6	43.6	41.7	39.8	36.0	34.1	30.3	24.6	20.8
135°	39.8	39.8	37.9	37.9	36.0	34.1	32.2	28.4	24.6	20.8	17.1
137.5°	34.1	34.1	34.1	32.2	32.2	30.3	26.5	24.6	22.7	18.9	15.2
140°	30.3	30.3	28.4	28.4	26.5	26.5	24.6	20.8	18.9	15.2	13.3
142.5°	26.5	26.5	24.6	24.6	22.7	22.7	20.8	18.9	15.2	13.3	9.5
145°	22.7	22.7	20.8	20.8	20.8	18.9	17.1	15.2	13.3	11.4	9.5
147.5°	18.9	18.9	18.9	17.1	17.1	15.2	15.2	13.3	11.4	9.5	7.6
150°	17.1	17.1	15.2	15.2	15.2	13.3	11.4	11.4	9.5	7.6	5.7
152.5°	13.3	13.3	13.3	13.3	11.4	11.4	9.5	9.5	7.6	5.7	5.7
155°	11.4	11.4	11.4	9.5	9.5	9.5	7.6	7.6	5.7	5.7	3.8
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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CATALOG NUMBER: 4SSRK-LC-80-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3668.4	3668.4	3668.4	3668.4	3668.4	3668.4	3668.4
2.5°	3647.5	3645.6	3662.7	3660.8	3638.0	3672.1	3694.9
5°	3638.0	3636.1	3651.3	3655.1	3630.5	3666.5	3691.1
7.5°	3630.5	3628.6	3645.6	3651.3	3626.7	3658.9	3685.4
10°	3632.4	3622.9	3638.0	3641.8	3619.1	3653.2	3675.9
12.5°	3645.6	3622.9	3628.6	3628.6	3607.7	3638.0	3662.7
15°	3677.8	3630.5	3622.9	3617.2	3590.7	3619.1	3643.7
17.5°	3713.8	3649.4	3622.9	3603.9	3571.7	3596.4	3622.9
20°	3749.8	3670.3	3626.7	3596.4	3552.8	3575.5	3594.5
22.5°	3766.9	3689.2	3630.5	3585.0	3530.0	3541.4	3562.2
25°	3744.1	3681.6	3622.9	3567.9	3501.6	3503.5	3520.6
27.5°	3660.8	3643.7	3605.8	3550.9	3478.9	3469.4	3482.7
30°	3518.7	3566.0	3567.9	3528.1	3452.3	3433.4	3439.1
32.5°	3319.7	3425.8	3488.3	3480.8	3414.5	3387.9	3391.7
35°	3090.4	3223.1	3359.5	3405.0	3357.6	3336.8	3329.2
37.5°	2815.7	2993.8	3175.7	3287.5	3279.9	3266.7	3259.1
40°	2512.5	2726.6	2942.6	3120.8	3175.7	3175.7	3179.5
42.5°	2188.5	2438.6	2675.5	2901.0	3029.8	3058.2	3069.6
45°	1875.9	2127.9	2385.6	2645.2	2817.6	2906.6	2938.9
47.5°	1591.6	1845.5	2090.0	2374.2	2603.5	2719.1	2770.2
50°	1349.1	1538.6	1796.3	2078.6	2328.7	2470.8	2571.3
52.5°	1148.3	1296.1	1521.5	1784.9	2036.9	2232.1	2324.9
55°	979.6	1080.0	1271.4	1498.8	1739.4	1942.2	2050.2
57.5°	837.5	917.1	1047.8	1237.3	1440.1	1640.9	1756.5
60°	712.4	767.4	856.5	1006.1	1178.6	1351.0	1462.8
62.5°	604.4	640.4	699.2	809.1	943.6	1078.1	1182.4
65°	521.1	536.2	568.4	636.7	739.0	841.3	930.4
67.5°	439.6	449.1	473.7	515.4	566.5	640.4	699.2
70°	379.0	379.0	380.9	405.5	432.0	479.4	521.1
72.5°	329.7	324.0	312.6	318.3	324.0	350.5	377.1
75°	289.9	276.6	257.7	250.1	246.3	250.1	265.3
77.5°	255.8	236.9	214.1	195.2	180.0	174.3	187.6
80°	227.4	204.6	178.1	153.5	128.8	115.6	121.3
82.5°	204.6	176.2	147.8	119.4	91.0	72.0	72.0
85°	180.0	153.5	123.2	92.8	64.4	39.8	36.0
87.5°	163.0	134.5	102.3	73.9	45.5	20.8	11.4
90°	145.9	117.5	87.2	58.7	32.2	9.5	0.0
92.5°	130.7	104.2	75.8	47.4	22.7	5.7	0.0
95°	117.5	92.8	64.4	39.8	18.9	3.8	1.9
97.5°	104.2	81.5	56.8	32.2	13.3	3.8	1.9
100°	94.7	72.0	49.3	26.5	11.4	1.9	1.9
102.5°	83.4	64.4	41.7	22.7	9.5	1.9	1.9
105°	73.9	56.8	36.0	18.9	7.6	1.9	1.9
107.5°	66.3	49.3	32.2	17.1	7.6	1.9	1.9
110°	58.7	43.6	28.4	15.2	5.7	1.9	1.9



TEST NUMBER: P290210

CATALOG NUMBER: 4SSRK-LC-80-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	53.1	37.9	24.6	13.3	3.8	1.9	1.9
115°	45.5	34.1	20.8	11.4	3.8	1.9	1.9
117.5°	39.8	28.4	18.9	9.5	3.8	1.9	1.9
120°	34.1	24.6	15.2	7.6	1.9	1.9	1.9
122.5°	30.3	20.8	13.3	7.6	1.9	1.9	1.9
125°	26.5	18.9	11.4	5.7	1.9	1.9	1.9
127.5°	22.7	15.2	9.5	3.8	1.9	1.9	1.9
130°	18.9	13.3	7.6	3.8	1.9	1.9	1.9
132.5°	15.2	11.4	7.6	3.8	1.9	1.9	1.9
135°	13.3	9.5	5.7	3.8	1.9	1.9	1.9
137.5°	11.4	7.6	3.8	3.8	3.8	1.9	1.9
140°	9.5	5.7	3.8	3.8	3.8	3.8	1.9
142.5°	7.6	5.7	3.8	3.8	3.8	3.8	1.9
145°	5.7	3.8	3.8	3.8	3.8	3.8	1.9
147.5°	5.7	3.8	3.8	3.8	3.8	3.8	1.9
150°	3.8	3.8	3.8	3.8	3.8	3.8	3.8
152.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8
155°	3.8	3.8	3.8	3.8	3.8	3.8	3.8
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)