

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: P290208

Luminaire Tested: **4SSRK-LC-80-L830-CD1-U**

Issue Date: 3/3/2020

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.

**Test Information**

Test Method: LM-79-08  
Report Number: P290208  
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-L830-CD1-U  
Description: 8000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH ROUND CLEAR LENS AND 80 CRI 3000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8453.5 lumens  
Efficiency: N/A  
Efficacy: 134.4 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

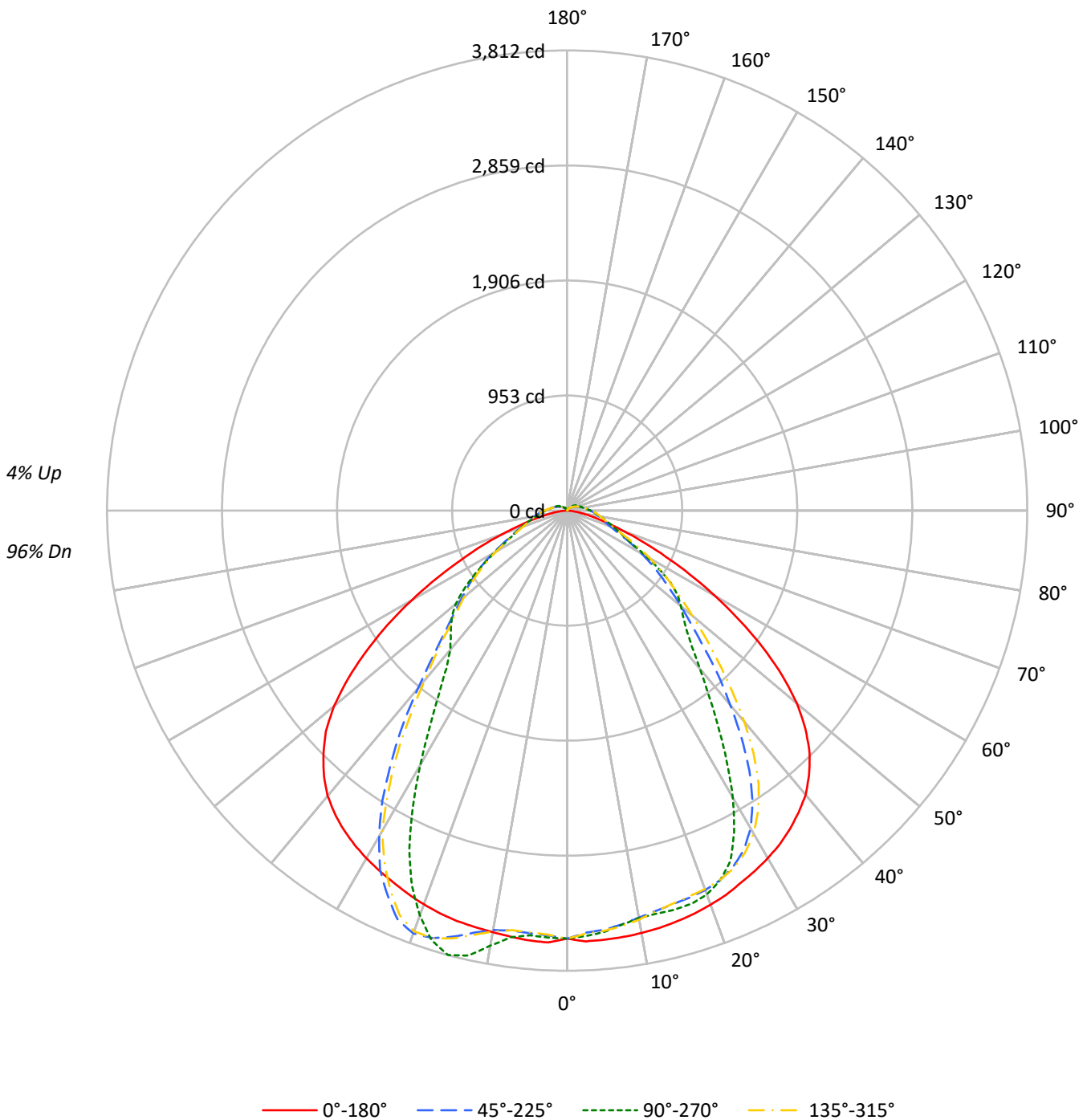
Input Watts (W): 62.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P290208

CATALOG NUMBER: 4SSRK-LC-80-L830-CD1-U

### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

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

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	229011	229011	229011	229011
5°	230472	168270	230944	169591
10°	231323	131789	230848	140734
15°	232898	110477	232779	123009
20°	235234	94724	234984	99851
25°	237888	79628	237755	76939
30°	242090	61870	242221	54812
35°	246534	45212	247231	38259
40°	250364	33072	251407	29137
45°	249083	25528	250372	24859
50°	237912	21443	241243	20966
55°	210612	17574	215872	15976
60°	170347	12235	179394	11220
65°	126155	8475	135919	8037
70°	85343	6577	96203	6289
75°	55369	5279	64482	4993
80°	35257	4314	41334	3970
85°	17468	3689	22989	3370



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	336.8	4.0
10°-20°	1002.2	11.9
20°-30°	1523.6	18.0
30°-40°	1634.5	19.3
40°-50°	1418.5	16.8
50°-60°	1051.3	12.4
60°-70°	602.3	7.1
70°-80°	333.6	3.9
80°-90°	203.1	2.4
90°-100°	132.1	1.6
100°-110°	88.5	1.0
110°-120°	59.7	0.7
120°-130°	36.6	0.4
130°-140°	19.3	0.2
140°-150°	8.8	0.1
150°-160°	2.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2862.6	33.9
0°-40°	4497.1	53.2
0°-60°	6966.9	82.4
0°-90°	8105.9	95.9
90°-120°	280.3	3.3
90°-150°	345.0	4.1
90°-180°	348.0	4.1
0°-180°	8453.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3546	3546	3546	3546	3546	
5°	3568	3504	3575	3531	3568	340
15°	3522	3423	3520	3812	3522	997
25°	3403	3202	3401	3094	3403	1573
35°	3218	2180	3227	1844	3218	2014
45°	2841	1398	2856	1361	2841	2175
55°	1982	1048	2031	952	1982	1757
65°	899	531	969	504	899	907
75°	256	337	299	319	256	293
85°	35	233	46	212	35	46
90°	0	194	4	180	0	2
95°	2	159	0	152	2	1
105°	2	119	2	114	2	2
115°	2	97	2	88	2	2
125°	2	73	2	60	2	2
135°	2	46	2	38	2	1
145°	2	28	4	22	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	



TEST NUMBER: P290208

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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	3546.0	3546.0	3546.0	3546.0	3546.0	3546.0	3546.0	3546.0	3546.0	3546.0	3546.0
2.5°	3571.7	3562.5	3558.8	3551.5	3557.0	3579.0	3564.3	3540.5	3542.4	3500.2	3522.2
5°	3568.0	3557.0	3551.5	3544.2	3547.8	3568.0	3553.3	3529.5	3527.7	3485.6	3505.7
7.5°	3562.5	3551.5	3542.4	3536.9	3538.7	3555.2	3536.9	3509.4	3503.9	3458.1	3476.4
10°	3553.3	3546.0	3533.2	3524.0	3522.2	3540.5	3511.2	3483.7	3470.9	3423.3	3441.6
12.5°	3540.5	3529.5	3516.7	3500.2	3498.4	3509.4	3485.6	3447.1	3434.3	3395.8	3416.0
15°	3522.2	3509.4	3494.7	3476.4	3467.3	3474.6	3445.3	3410.5	3408.6	3375.7	3403.2
17.5°	3502.1	3483.7	3467.3	3441.6	3428.8	3434.3	3410.5	3379.3	3383.0	3362.9	3394.0
20°	3474.6	3454.4	3428.8	3403.2	3384.8	3394.0	3377.5	3353.7	3359.2	3344.5	3372.0
22.5°	3443.4	3416.0	3384.8	3355.5	3340.9	3353.7	3340.9	3320.7	3322.6	3313.4	3329.9
25°	3403.2	3372.0	3335.4	3298.7	3291.4	3300.6	3293.3	3276.8	3269.4	3254.8	3262.1
27.5°	3366.5	3331.7	3285.9	3247.5	3234.6	3253.0	3236.5	3209.0	3188.9	3168.7	3154.1
30°	3324.4	3282.3	3231.0	3187.0	3176.0	3183.4	3159.5	3117.4	3064.3	3038.7	2998.4
32.5°	3278.6	3223.7	3159.5	3110.1	3102.8	3097.3	3053.3	2992.9	2910.4	2859.2	2796.9
35°	3218.2	3157.7	3080.8	3020.3	3009.4	2978.2	2906.8	2826.2	2720.0	2632.0	2525.8
37.5°	3150.4	3079.0	2998.4	2917.8	2886.6	2824.4	2723.6	2639.4	2478.2	2371.9	2243.7
40°	3073.5	2987.4	2888.5	2791.4	2740.1	2639.4	2524.0	2399.4	2243.7	2100.9	1992.8
42.5°	2967.2	2875.6	2758.4	2650.4	2562.4	2428.7	2293.2	2117.4	1974.5	1853.6	1743.7
45°	2840.8	2730.9	2595.4	2465.4	2353.6	2194.3	2034.9	1859.1	1740.0	1599.0	1523.9
47.5°	2677.8	2558.8	2414.1	2269.4	2122.8	1947.0	1780.3	1611.8	1492.8	1392.0	1337.1
50°	2485.5	2375.6	2216.3	2044.1	1882.9	1699.7	1533.1	1406.7	1291.3	1229.0	1186.9
52.5°	2247.4	2144.8	1981.8	1795.0	1639.3	1459.8	1307.8	1205.2	1122.8	1077.0	1062.3
55°	1981.8	1892.1	1730.9	1556.9	1397.5	1232.7	1117.3	1027.5	974.4	946.9	948.8
57.5°	1697.9	1628.3	1476.3	1320.6	1170.4	1045.9	941.5	870.0	829.7	827.9	833.4
60°	1414.0	1362.7	1230.8	1097.1	965.3	864.5	787.6	738.1	712.5	714.3	712.5
62.5°	1142.9	1095.3	1000.1	890.2	785.8	718.0	648.4	628.2	606.3	604.4	604.4
65°	899.3	862.7	785.8	707.0	628.2	584.3	549.5	525.7	509.2	505.5	507.4
67.5°	675.9	661.2	608.1	555.0	505.5	478.1	448.7	443.3	430.4	430.4	434.1
70°	503.7	492.7	463.4	432.3	412.1	393.8	379.1	379.1	377.3	375.5	384.6
72.5°	364.5	366.3	357.2	333.4	331.5	327.9	324.2	329.7	331.5	337.0	348.0
75°	256.4	261.9	261.9	258.3	265.6	274.7	280.2	289.4	300.4	307.7	320.5
77.5°	181.3	181.3	190.5	201.5	216.1	232.6	247.3	260.1	274.7	283.9	294.9
80°	117.2	122.7	137.4	157.5	177.7	199.6	219.8	236.3	250.9	265.6	272.9
82.5°	69.6	78.8	97.1	122.7	148.4	175.8	196.0	216.1	232.6	247.3	252.8
85°	34.8	47.6	69.6	97.1	124.6	153.9	179.5	197.8	216.1	229.0	236.3
87.5°	11.0	25.6	49.5	75.1	104.4	133.7	161.2	181.3	197.8	208.8	216.1
90°	0.0	12.8	34.8	62.3	89.7	119.1	144.7	166.7	183.2	192.3	197.8
92.5°	0.0	7.3	27.5	51.3	76.9	106.2	131.9	152.0	166.7	175.8	179.5
95°	1.8	5.5	20.1	42.1	67.8	95.2	119.1	137.4	152.0	161.2	163.0
97.5°	1.8	3.7	16.5	34.8	58.6	84.3	108.1	126.4	137.4	146.5	148.4
100°	1.8	3.7	12.8	31.1	51.3	75.1	97.1	113.6	126.4	133.7	135.5
102.5°	1.8	1.8	11.0	25.6	45.8	65.9	86.1	102.6	113.6	120.9	124.6
105°	1.8	1.8	9.2	22.0	40.3	58.6	76.9	93.4	102.6	109.9	113.6
107.5°	1.8	1.8	7.3	18.3	34.8	51.3	69.6	82.4	93.4	100.7	104.4
110°	1.8	1.8	5.5	16.5	29.3	45.8	60.4	73.3	84.3	91.6	95.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1.8	1.8	5.5	14.7	25.6	40.3	53.1	65.9	75.1	82.4	87.9
115°	1.8	1.8	5.5	12.8	23.8	34.8	47.6	58.6	67.8	75.1	80.6
117.5°	1.8	1.8	5.5	11.0	20.1	31.1	42.1	53.1	60.4	67.8	73.3
120°	1.8	1.8	3.7	9.2	18.3	27.5	36.6	45.8	54.9	62.3	67.8
122.5°	1.8	1.8	3.7	9.2	14.7	23.8	33.0	40.3	49.5	54.9	60.4
125°	1.8	1.8	3.7	7.3	12.8	22.0	29.3	36.6	42.1	49.5	54.9
127.5°	1.8	1.8	3.7	7.3	11.0	18.3	25.6	33.0	38.5	44.0	47.6
130°	1.8	1.8	3.7	5.5	9.2	14.7	22.0	27.5	34.8	38.5	42.1
132.5°	1.8	1.8	1.8	5.5	7.3	11.0	16.5	23.8	29.3	34.8	36.6
135°	1.8	1.8	1.8	3.7	7.3	9.2	12.8	18.3	23.8	29.3	33.0
137.5°	1.8	1.8	1.8	3.7	5.5	9.2	11.0	14.7	20.1	23.8	29.3
140°	1.8	1.8	1.8	3.7	5.5	7.3	9.2	12.8	16.5	20.1	23.8
142.5°	1.8	1.8	1.8	3.7	3.7	5.5	7.3	11.0	12.8	16.5	20.1
145°	1.8	1.8	1.8	3.7	3.7	5.5	7.3	9.2	11.0	12.8	16.5
147.5°	1.8	1.8	1.8	3.7	3.7	3.7	5.5	7.3	9.2	11.0	12.8
150°	3.7	3.7	3.7	3.7	3.7	3.7	5.5	5.5	7.3	9.2	11.0
152.5°	3.7	3.7	3.7	3.7	3.7	3.7	5.5	5.5	5.5	7.3	9.2
155°	3.7	3.7	3.7	3.7	3.7	3.7	5.5	5.5	5.5	7.3	7.3
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



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	3546.0	3546.0	3546.0	3546.0	3546.0	3546.0	3546.0	3546.0	3546.0	3546.0	3546.0
2.5°	3514.9	3518.5	3540.5	3538.7	3535.0	3531.4	3531.4	3527.7	3531.4	3540.5	3536.9
5°	3496.6	3502.1	3518.5	3516.7	3513.0	3511.2	3509.4	3503.9	3507.6	3520.4	3516.7
7.5°	3463.6	3469.1	3483.7	3476.4	3470.9	3474.6	3465.4	3459.9	3467.3	3480.1	3478.2
10°	3428.8	3432.5	3450.8	3447.1	3438.0	3439.8	3430.6	3427.0	3436.1	3443.4	3445.3
12.5°	3405.0	3417.8	3434.3	3432.5	3430.6	3432.5	3423.3	3419.6	3425.1	3432.5	3430.6
15°	3399.5	3416.0	3434.3	3434.3	3436.1	3438.0	3428.8	3423.3	3428.8	3434.3	3432.5
17.5°	3394.0	3414.1	3430.6	3428.8	3430.6	3434.3	3419.6	3416.0	3423.3	3430.6	3427.0
20°	3375.7	3394.0	3405.0	3401.3	3401.3	3403.2	3384.8	3384.8	3395.8	3401.3	3403.2
22.5°	3324.4	3346.4	3346.4	3337.2	3337.2	3329.9	3324.4	3313.4	3326.2	3335.4	3342.7
25°	3247.5	3256.6	3245.6	3225.5	3214.5	3205.3	3179.7	3201.7	3201.7	3229.1	3238.3
27.5°	3139.4	3119.2	3088.1	3046.0	3036.8	3007.5	2991.0	2996.5	3005.7	3044.2	3073.5
30°	2961.7	2901.3	2848.2	2829.9	2789.6	2760.3	2730.9	2745.6	2762.1	2784.1	2844.5
32.5°	2727.3	2668.7	2582.6	2551.4	2509.3	2472.7	2437.9	2459.9	2489.2	2503.8	2569.8
35°	2458.0	2388.4	2309.7	2256.6	2212.6	2192.4	2148.5	2179.6	2210.8	2221.8	2278.5
37.5°	2172.3	2100.9	2031.3	1985.5	1943.3	1930.5	1901.2	1923.2	1947.0	1963.5	2011.1
40°	1901.2	1835.3	1782.2	1751.0	1721.7	1710.7	1699.7	1708.9	1727.2	1740.0	1776.7
42.5°	1668.6	1615.5	1578.9	1560.5	1540.4	1525.7	1527.6	1531.2	1540.4	1567.9	1584.4
45°	1465.3	1434.2	1410.3	1406.7	1393.9	1392.0	1390.2	1397.5	1403.0	1419.5	1432.3
47.5°	1302.3	1289.5	1284.0	1291.3	1296.8	1289.5	1293.1	1302.3	1313.3	1313.3	1311.4
50°	1174.1	1177.7	1185.1	1201.5	1212.5	1216.2	1219.9	1230.8	1232.7	1236.3	1230.8
52.5°	1069.7	1073.3	1093.5	1119.1	1131.9	1137.4	1144.8	1155.8	1155.8	1159.4	1152.1
55°	963.4	968.9	989.1	1014.7	1025.7	1033.0	1040.4	1047.7	1053.2	1060.5	1055.0
57.5°	846.2	862.7	875.5	882.8	890.2	895.7	901.2	903.0	914.0	915.8	925.0
60°	721.7	725.3	738.1	736.3	730.8	745.5	738.1	751.0	763.8	780.3	782.1
62.5°	602.6	604.4	613.6	609.9	617.3	615.4	620.9	620.9	630.1	637.4	646.6
65°	509.2	511.0	518.3	518.3	516.5	522.0	527.5	531.2	531.2	536.7	544.0
67.5°	439.6	445.1	452.4	456.1	459.7	459.7	465.2	467.1	470.7	472.6	476.2
70°	392.0	399.3	406.6	410.3	412.1	415.8	417.6	417.6	421.3	423.1	426.8
72.5°	357.2	364.5	370.0	370.0	373.7	375.5	375.5	377.3	379.1	382.8	386.5
75°	327.9	333.4	337.0	335.2	335.2	335.2	337.0	337.0	340.7	344.3	348.0
77.5°	300.4	305.9	305.9	302.2	302.2	302.2	302.2	304.0	305.9	309.5	313.2
80°	280.2	280.2	278.4	278.4	274.7	272.9	272.9	274.7	274.7	278.4	283.9
82.5°	258.3	258.3	256.4	254.6	252.8	250.9	250.9	252.8	254.6	256.4	260.1
85°	238.1	238.1	234.4	234.4	232.6	232.6	232.6	232.6	234.4	236.3	239.9
87.5°	218.0	216.1	214.3	212.5	212.5	212.5	212.5	212.5	214.3	218.0	219.8
90°	197.8	196.0	194.2	194.2	192.3	192.3	194.2	194.2	196.0	197.8	199.6
92.5°	179.5	177.7	175.8	175.8	174.0	174.0	175.8	174.0	177.7	177.7	179.5
95°	163.0	161.2	159.4	159.4	159.4	159.4	159.4	159.4	161.2	161.2	163.0
97.5°	148.4	146.5	144.7	144.7	146.5	144.7	146.5	146.5	146.5	148.4	150.2
100°	135.5	133.7	133.7	135.5	133.7	133.7	135.5	135.5	135.5	135.5	137.4
102.5°	124.6	124.6	124.6	124.6	124.6	124.6	126.4	126.4	126.4	126.4	128.2
105°	113.6	115.4	115.4	115.4	117.2	117.2	117.2	119.1	119.1	119.1	119.1
107.5°	106.2	108.1	108.1	109.9	109.9	111.7	111.7	111.7	111.7	113.6	113.6
110°	98.9	100.7	102.6	104.4	104.4	106.2	106.2	106.2	106.2	106.2	106.2





TEST NUMBER: P290208

CATALOG NUMBER: 4SSRK-LC-80-L830-CD1-U

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	91.6	93.4	95.2	98.9	100.7	100.7	100.7	100.7	102.6	102.6	100.7
115°	84.3	87.9	89.7	93.4	95.2	95.2	97.1	97.1	97.1	97.1	95.2
117.5°	76.9	82.4	84.3	87.9	89.7	89.7	91.6	91.6	91.6	91.6	89.7
120°	71.4	75.1	78.8	80.6	82.4	84.3	84.3	86.1	86.1	86.1	84.3
122.5°	65.9	69.6	73.3	75.1	76.9	78.8	78.8	78.8	78.8	78.8	78.8
125°	58.6	62.3	65.9	67.8	69.6	71.4	71.4	73.3	73.3	73.3	71.4
127.5°	53.1	56.8	58.6	62.3	64.1	64.1	65.9	65.9	65.9	65.9	64.1
130°	45.8	49.5	53.1	54.9	56.8	56.8	58.6	58.6	58.6	58.6	58.6
132.5°	40.3	44.0	45.8	49.5	49.5	51.3	51.3	53.1	53.1	53.1	51.3
135°	36.6	38.5	40.3	44.0	44.0	45.8	45.8	45.8	45.8	45.8	45.8
137.5°	33.0	34.8	36.6	38.5	38.5	40.3	40.3	40.3	40.3	42.1	40.3
140°	27.5	31.1	33.0	33.0	34.8	34.8	34.8	36.6	36.6	36.6	34.8
142.5°	23.8	25.6	27.5	29.3	31.1	31.1	31.1	31.1	33.0	31.1	31.1
145°	18.3	22.0	23.8	25.6	27.5	27.5	27.5	27.5	27.5	27.5	27.5
147.5°	14.7	16.5	20.1	22.0	22.0	23.8	23.8	23.8	23.8	23.8	23.8
150°	12.8	12.8	16.5	18.3	20.1	20.1	20.1	20.1	20.1	20.1	20.1
152.5°	9.2	11.0	12.8	14.7	16.5	16.5	16.5	16.5	16.5	16.5	16.5
155°	9.2	9.2	11.0	11.0	12.8	12.8	12.8	12.8	14.7	12.8	12.8
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: P290208

CATALOG NUMBER: 4SSRK-LC-80-L830-CD1-U

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	3546.0	3546.0	3546.0	3546.0	3546.0	3546.0	3546.0	3546.0	3546.0	3546.0	3546.0
2.5°	3531.4	3529.5	3536.9	3529.5	3492.9	3507.6	3502.1	3522.2	3524.0	3529.5	3547.8
5°	3513.0	3513.0	3522.2	3514.9	3480.1	3494.7	3492.9	3513.0	3516.7	3520.4	3540.5
7.5°	3476.4	3478.2	3491.1	3485.6	3448.9	3470.9	3469.1	3492.9	3500.2	3507.6	3525.9
10°	3441.6	3439.8	3454.4	3448.9	3414.1	3439.8	3438.0	3461.8	3472.8	3485.6	3507.6
12.5°	3423.3	3417.8	3423.3	3417.8	3379.3	3399.5	3401.3	3428.8	3441.6	3458.1	3483.7
15°	3423.3	3414.1	3414.1	3403.2	3359.2	3372.0	3373.8	3392.2	3408.6	3425.1	3456.3
17.5°	3419.6	3410.5	3408.6	3399.5	3351.9	3351.9	3350.0	3362.9	3372.0	3388.5	3421.5
20°	3399.5	3395.8	3394.0	3388.5	3344.5	3337.2	3333.5	3333.5	3339.0	3344.5	3377.5
22.5°	3346.4	3350.0	3353.7	3357.4	3322.6	3309.7	3311.6	3307.9	3302.4	3302.4	3329.9
25°	3247.5	3265.8	3280.4	3296.9	3276.8	3267.6	3278.6	3273.1	3263.9	3256.6	3280.4
27.5°	3089.9	3128.4	3159.5	3199.8	3201.7	3194.3	3223.7	3220.0	3218.2	3207.2	3225.5
30°	2872.0	2932.4	2974.6	3033.2	3082.6	3089.9	3139.4	3146.7	3154.1	3148.6	3166.9
32.5°	2608.2	2690.7	2762.1	2853.7	2901.3	2943.4	3013.0	3042.3	3071.6	3080.8	3100.9
35°	2320.7	2414.1	2498.3	2599.1	2674.2	2765.7	2850.0	2894.0	2959.9	2985.5	3014.8
37.5°	2047.8	2135.7	2218.1	2318.8	2439.7	2535.0	2639.4	2738.3	2828.0	2864.7	2908.6
40°	1806.0	1877.4	1956.2	2044.1	2154.0	2278.5	2392.1	2529.5	2635.7	2709.0	2773.1
42.5°	1622.8	1657.6	1725.4	1804.1	1892.1	2018.4	2133.8	2287.7	2415.9	2520.3	2626.5
45°	1459.8	1476.3	1525.7	1567.9	1657.6	1769.3	1892.1	2042.3	2176.0	2309.7	2437.9
47.5°	1320.6	1340.7	1364.6	1390.2	1454.3	1547.7	1654.0	1789.5	1923.2	2078.9	2225.4
50°	1227.2	1232.7	1236.3	1247.3	1285.8	1349.9	1436.0	1551.4	1679.6	1846.3	2002.0
52.5°	1144.8	1144.8	1133.8	1128.3	1142.9	1183.2	1232.7	1315.1	1447.0	1600.8	1765.7
55°	1056.8	1040.4	1036.7	1018.4	1022.0	1040.4	1064.2	1128.3	1236.3	1368.2	1527.6
57.5°	934.1	926.8	926.8	919.5	904.8	914.0	919.5	965.3	1042.2	1155.8	1295.0
60°	793.1	789.4	798.6	800.4	787.6	793.1	791.3	818.7	873.7	965.3	1080.7
62.5°	652.1	668.5	670.4	677.7	670.4	668.5	677.7	701.5	729.0	798.6	888.3
65°	547.7	556.8	558.6	567.8	564.1	564.1	571.5	589.8	606.3	653.9	723.5
67.5°	479.9	476.2	478.1	483.5	478.1	476.2	481.7	492.7	505.5	534.8	584.3
70°	426.8	423.1	423.1	423.1	415.8	410.3	412.1	415.8	421.3	437.8	468.9
72.5°	386.5	386.5	381.0	375.5	370.0	366.3	362.7	359.0	357.2	362.7	379.1
75°	349.8	351.7	349.8	344.3	337.0	329.7	322.4	315.0	305.9	302.2	304.0
77.5°	316.9	318.7	320.5	318.7	311.4	302.2	291.2	280.2	267.4	254.6	247.3
80°	287.6	291.2	293.1	291.2	285.7	278.4	265.6	252.8	234.4	218.0	199.6
82.5°	261.9	267.4	269.2	269.2	265.6	258.3	243.6	229.0	208.8	186.8	163.0
85°	241.8	245.4	249.1	249.1	247.3	239.9	225.3	208.8	188.7	163.0	137.4
87.5°	221.6	223.5	227.1	230.8	227.1	219.8	207.0	188.7	168.5	142.9	113.6
90°	201.5	203.3	207.0	210.6	208.8	201.5	190.5	174.0	152.0	124.6	95.2
92.5°	181.3	185.0	186.8	188.7	190.5	185.0	175.8	159.4	137.4	109.9	82.4
95°	166.7	166.7	170.3	172.2	174.0	168.5	161.2	144.7	124.6	98.9	71.4
97.5°	152.0	152.0	155.7	155.7	157.5	153.9	146.5	131.9	111.7	87.9	60.4
100°	137.4	139.2	141.0	142.9	142.9	141.0	133.7	119.1	100.7	78.8	53.1
102.5°	128.2	128.2	130.0	130.0	131.9	128.2	120.9	108.1	89.7	69.6	45.8
105°	119.1	119.1	120.9	120.9	119.1	115.4	108.1	97.1	80.6	60.4	40.3
107.5°	111.7	111.7	111.7	111.7	109.9	106.2	98.9	86.1	71.4	54.9	36.6
110°	106.2	104.4	104.4	102.6	100.7	95.2	87.9	76.9	64.1	47.6	31.1



TEST NUMBER: P290208

CATALOG NUMBER: 4SSRK-LC-80-L830-CD1-U

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	100.7	98.9	97.1	95.2	91.6	86.1	78.8	69.6	56.8	42.1	27.5
115°	95.2	93.4	91.6	87.9	84.3	78.8	71.4	62.3	49.5	36.6	23.8
117.5°	89.7	87.9	84.3	80.6	76.9	71.4	64.1	54.9	44.0	33.0	22.0
120°	82.4	80.6	78.8	75.1	71.4	64.1	56.8	49.5	38.5	29.3	18.3
122.5°	76.9	75.1	71.4	69.6	64.1	58.6	51.3	44.0	34.8	25.6	16.5
125°	69.6	67.8	65.9	62.3	58.6	51.3	45.8	38.5	31.1	22.0	12.8
127.5°	64.1	62.3	58.6	54.9	51.3	45.8	40.3	34.8	27.5	18.3	12.8
130°	56.8	54.9	53.1	49.5	45.8	40.3	36.6	29.3	23.8	16.5	11.0
132.5°	49.5	49.5	47.6	44.0	40.3	36.6	31.1	25.6	20.1	14.7	9.2
135°	45.8	44.0	42.1	38.5	36.6	31.1	27.5	22.0	16.5	12.8	7.3
137.5°	40.3	38.5	36.6	34.8	31.1	27.5	23.8	18.3	14.7	11.0	7.3
140°	34.8	33.0	33.0	29.3	27.5	23.8	20.1	16.5	12.8	9.2	5.5
142.5°	31.1	29.3	27.5	25.6	23.8	20.1	16.5	12.8	11.0	7.3	5.5
145°	27.5	25.6	23.8	22.0	20.1	16.5	14.7	11.0	9.2	7.3	5.5
147.5°	22.0	22.0	20.1	18.3	16.5	14.7	12.8	11.0	7.3	5.5	3.7
150°	18.3	18.3	16.5	14.7	14.7	12.8	11.0	9.2	7.3	5.5	3.7
152.5°	16.5	14.7	14.7	12.8	12.8	11.0	9.2	7.3	5.5	5.5	3.7
155°	12.8	12.8	12.8	11.0	11.0	9.2	7.3	7.3	5.5	3.7	3.7
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P290208

CATALOG NUMBER: 4SSRK-LC-80-L830-CD1-U

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3546.0	3546.0	3546.0	3546.0	3546.0	3546.0	3546.0	3546.0	3546.0	3546.0	3546.0
2.5°	3551.5	3529.5	3547.8	3580.8	3577.2	3573.5	3569.8	3577.2	3601.0	3588.1	3568.0
5°	3546.0	3524.0	3544.2	3575.3	3573.5	3568.0	3564.3	3571.7	3595.5	3582.6	3560.7
7.5°	3535.0	3514.9	3529.5	3560.7	3560.7	3557.0	3553.3	3560.7	3582.6	3571.7	3549.7
10°	3516.7	3502.1	3516.7	3546.0	3547.8	3540.5	3536.9	3546.0	3568.0	3562.5	3544.2
12.5°	3502.1	3487.4	3503.9	3533.2	3535.0	3527.7	3522.2	3533.2	3562.5	3566.2	3560.7
15°	3481.9	3469.1	3489.2	3520.4	3520.4	3514.9	3514.9	3529.5	3569.8	3586.3	3595.5
17.5°	3452.6	3443.4	3467.3	3498.4	3500.2	3496.6	3498.4	3527.7	3580.8	3621.1	3646.8
20°	3416.0	3412.3	3438.0	3470.9	3476.4	3478.2	3487.4	3531.4	3604.6	3659.6	3685.2
22.5°	3372.0	3373.8	3403.2	3438.0	3445.3	3450.8	3469.1	3531.4	3622.9	3681.6	3692.5
25°	3322.6	3328.1	3359.2	3401.3	3410.5	3421.5	3452.6	3533.2	3628.4	3666.9	3648.6
27.5°	3269.4	3280.4	3320.7	3364.7	3375.7	3394.0	3434.3	3522.2	3602.8	3604.6	3536.9
30°	3214.5	3227.3	3274.9	3326.2	3344.5	3362.9	3412.3	3496.6	3540.5	3481.9	3362.9
32.5°	3152.2	3170.5	3218.2	3280.4	3302.4	3326.2	3375.7	3447.1	3430.6	3304.2	3133.9
35°	3073.5	3099.1	3154.1	3227.3	3247.5	3278.6	3313.4	3329.9	3256.6	3077.1	2884.8
37.5°	2976.4	3014.8	3079.0	3163.2	3185.2	3205.3	3214.5	3168.7	3022.2	2828.0	2628.4
40°	2864.7	2923.3	2992.9	3086.3	3108.3	3108.3	3075.3	2978.2	2793.2	2538.6	2317.0
42.5°	2729.1	2800.5	2888.5	2981.9	3003.9	2978.2	2899.5	2729.1	2518.5	2234.6	2000.1
45°	2564.3	2659.5	2758.4	2855.5	2866.5	2809.7	2668.7	2452.5	2192.4	1928.7	1705.2
47.5°	2368.3	2492.8	2600.9	2710.8	2696.1	2600.9	2412.2	2166.8	1892.1	1643.0	1463.5
50°	2148.5	2295.0	2415.9	2520.3	2489.2	2357.3	2135.7	1879.2	1606.3	1393.9	1245.5
52.5°	1914.0	2082.6	2203.4	2287.7	2245.6	2088.0	1844.4	1599.0	1375.5	1181.4	1082.5
55°	1670.4	1840.8	1965.3	2031.3	1976.3	1806.0	1566.0	1342.6	1131.9	1005.6	946.9
57.5°	1434.2	1593.5	1710.7	1763.9	1694.2	1523.9	1302.3	1113.6	961.6	855.4	826.1
60°	1207.0	1337.1	1448.8	1489.1	1414.0	1256.5	1066.0	915.8	804.1	730.8	716.2
62.5°	996.4	1102.6	1190.6	1221.7	1148.4	1025.7	860.9	749.1	670.4	633.7	615.4
65°	822.4	884.7	974.4	968.9	925.0	811.4	690.5	611.8	560.5	536.7	525.7
67.5°	646.6	703.3	760.1	767.4	712.5	633.7	555.0	498.2	470.7	457.9	452.4
70°	500.0	542.2	577.0	567.8	538.5	489.0	439.6	408.5	397.5	392.0	392.0
72.5°	388.3	410.3	426.8	415.8	397.5	371.8	348.0	335.2	337.0	340.7	344.3
75°	300.4	305.9	309.5	298.6	294.9	278.4	276.6	278.4	289.4	300.4	305.9
77.5°	230.8	223.5	218.0	207.0	208.8	207.0	216.1	230.8	247.3	263.8	278.4
80°	177.7	161.2	148.4	137.4	142.9	152.0	170.3	192.3	214.3	232.6	250.9
82.5°	137.4	113.6	95.2	84.3	95.2	109.9	133.7	161.2	186.8	207.0	227.1
85°	106.2	78.8	56.8	45.8	56.8	78.8	104.4	135.5	163.0	185.0	205.1
87.5°	82.4	56.8	31.1	18.3	31.1	54.9	84.3	113.6	141.0	166.7	186.8
90°	65.9	38.5	14.7	3.7	16.5	38.5	65.9	95.2	122.7	150.2	170.3
92.5°	53.1	27.5	7.3	0.0	9.2	29.3	54.9	82.4	109.9	135.5	155.7
95°	44.0	22.0	5.5	0.0	7.3	22.0	44.0	71.4	97.1	122.7	139.2
97.5°	36.6	16.5	3.7	0.0	3.7	18.3	36.6	60.4	86.1	109.9	126.4
100°	31.1	14.7	3.7	0.0	3.7	14.7	31.1	53.1	75.1	97.1	113.6
102.5°	25.6	11.0	1.8	1.8	1.8	11.0	27.5	45.8	65.9	86.1	102.6
105°	23.8	9.2	1.8	1.8	1.8	9.2	23.8	40.3	58.6	76.9	91.6
107.5°	20.1	7.3	1.8	1.8	1.8	7.3	20.1	34.8	53.1	69.6	82.4
110°	16.5	7.3	1.8	1.8	1.8	7.3	16.5	31.1	45.8	60.4	73.3



TEST NUMBER: P290208

CATALOG NUMBER: 4SSRK-LC-80-L830-CD1-U

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	14.7	5.5	1.8	1.8	1.8	5.5	14.7	27.5	40.3	54.9	65.9
115°	12.8	5.5	1.8	1.8	1.8	5.5	12.8	23.8	34.8	47.6	58.6
117.5°	11.0	5.5	1.8	1.8	1.8	3.7	11.0	20.1	31.1	42.1	53.1
120°	9.2	3.7	1.8	1.8	1.8	3.7	9.2	18.3	27.5	36.6	45.8
122.5°	9.2	3.7	1.8	1.8	1.8	3.7	7.3	14.7	23.8	31.1	40.3
125°	7.3	3.7	1.8	1.8	1.8	1.8	7.3	12.8	20.1	27.5	34.8
127.5°	7.3	3.7	1.8	1.8	1.8	1.8	5.5	11.0	16.5	23.8	31.1
130°	5.5	3.7	1.8	1.8	1.8	1.8	3.7	9.2	14.7	20.1	25.6
132.5°	5.5	3.7	1.8	1.8	1.8	1.8	3.7	7.3	11.0	16.5	22.0
135°	5.5	1.8	1.8	1.8	1.8	1.8	1.8	5.5	9.2	12.8	16.5
137.5°	3.7	1.8	1.8	1.8	1.8	1.8	1.8	3.7	7.3	9.2	14.7
140°	3.7	1.8	1.8	1.8	1.8	1.8	1.8	3.7	5.5	7.3	11.0
142.5°	3.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.7	5.5	9.2
145°	3.7	1.8	1.8	3.7	3.7	1.8	1.8	3.7	3.7	5.5	7.3
147.5°	3.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.7	3.7	5.5
150°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	5.5
152.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
155°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P290208

CATALOG NUMBER: 4SSRK-LC-80-L830-CD1-U

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3546.0	3546.0	3546.0	3546.0	3546.0	3546.0	3546.0	3546.0	3546.0	3546.0	3546.0
2.5°	3564.3	3522.2	3544.2	3536.9	3544.2	3562.5	3560.7	3555.2	3558.8	3549.7	3540.5
5°	3557.0	3514.9	3536.9	3527.7	3536.9	3555.2	3551.5	3546.0	3551.5	3540.5	3531.4
7.5°	3547.8	3509.4	3535.0	3533.2	3549.7	3573.5	3575.3	3575.3	3588.1	3571.7	3564.3
10°	3547.8	3527.7	3562.5	3575.3	3617.5	3648.6	3652.3	3659.6	3681.6	3677.9	3659.6
12.5°	3586.3	3582.6	3633.9	3665.1	3703.5	3747.5	3771.3	3778.6	3793.3	3782.3	3775.0
15°	3635.8	3654.1	3710.9	3745.7	3787.8	3820.8	3826.3	3829.9	3840.9	3824.4	3811.6
17.5°	3701.7	3712.7	3758.5	3773.1	3800.6	3806.1	3798.8	3780.5	3780.5	3743.8	3732.8
20°	3732.8	3727.3	3745.7	3721.9	3710.9	3677.9	3646.8	3612.0	3610.1	3571.7	3568.0
22.5°	3705.4	3668.7	3630.3	3571.7	3546.0	3498.4	3456.3	3436.1	3423.3	3373.8	3361.0
25°	3608.3	3518.5	3461.8	3392.2	3329.9	3274.9	3234.6	3192.5	3152.2	3111.9	3093.6
27.5°	3439.8	3355.5	3263.9	3166.9	3080.8	2996.5	2928.8	2886.6	2848.2	2795.1	2767.6
30°	3232.8	3115.6	3014.8	2921.4	2780.4	2677.8	2621.0	2536.8	2507.5	2483.7	2432.4
32.5°	2989.2	2848.2	2710.8	2584.4	2439.7	2344.5	2269.4	2207.1	2188.8	2126.5	2111.9
35°	2720.0	2535.0	2379.3	2254.7	2150.3	2034.9	1972.7	1930.5	1893.9	1851.8	1844.4
37.5°	2403.1	2236.4	2060.6	1950.7	1868.3	1769.3	1721.7	1692.4	1675.9	1644.8	1639.3
40°	2084.4	1917.7	1796.8	1686.9	1635.6	1582.5	1547.7	1534.9	1527.6	1516.6	1505.6
42.5°	1795.0	1648.5	1562.4	1489.1	1467.1	1441.5	1432.3	1439.7	1432.3	1428.7	1426.8
45°	1549.6	1437.8	1377.4	1355.4	1349.9	1342.6	1349.9	1362.7	1364.6	1360.9	1360.9
47.5°	1326.1	1273.0	1247.3	1251.0	1260.2	1265.6	1278.5	1295.0	1298.6	1289.5	1293.1
50°	1179.6	1148.4	1142.9	1157.6	1177.7	1185.1	1199.7	1212.5	1210.7	1207.0	1203.4
52.5°	1042.2	1033.0	1047.7	1062.3	1084.3	1088.0	1093.5	1099.0	1097.1	1089.8	1086.2
55°	926.8	934.1	946.9	952.4	968.9	967.1	968.9	968.9	961.6	957.9	952.4
57.5°	822.4	824.2	831.6	833.4	842.5	838.9	837.1	833.4	822.4	820.6	815.1
60°	716.2	712.5	729.0	716.2	723.5	716.2	714.3	705.2	694.2	692.4	688.7
62.5°	615.4	608.1	619.1	613.6	617.3	609.9	606.3	595.3	586.1	584.3	582.5
65°	525.7	522.0	533.0	531.2	534.8	525.7	522.0	514.7	507.4	505.5	503.7
67.5°	450.6	459.7	465.2	465.2	468.9	467.1	457.9	456.1	454.2	446.9	446.9
70°	395.6	401.1	412.1	413.9	412.1	415.8	408.5	406.6	404.8	401.1	399.3
72.5°	351.7	359.0	370.0	371.8	370.0	370.0	366.3	364.5	364.5	359.0	359.0
75°	316.9	326.0	335.2	335.2	335.2	331.5	327.9	327.9	324.2	322.4	318.7
77.5°	287.6	298.6	305.9	304.0	302.2	298.6	298.6	293.1	287.6	287.6	283.9
80°	265.6	272.9	278.4	276.6	274.7	269.2	267.4	261.9	258.3	252.8	252.8
82.5°	241.8	250.9	254.6	252.8	249.1	243.6	241.8	238.1	234.4	232.6	229.0
85°	221.6	230.8	232.6	229.0	225.3	221.6	219.8	218.0	216.1	212.5	212.5
87.5°	201.5	210.6	210.6	208.8	205.1	203.3	201.5	199.6	197.8	196.0	194.2
90°	185.0	192.3	192.3	190.5	188.7	186.8	185.0	183.2	181.3	179.5	179.5
92.5°	168.5	175.8	175.8	174.0	172.2	170.3	170.3	168.5	166.7	164.8	163.0
95°	153.9	161.2	161.2	161.2	159.4	157.5	157.5	155.7	153.9	153.9	152.0
97.5°	139.2	146.5	146.5	146.5	144.7	142.9	142.9	141.0	141.0	141.0	139.2
100°	126.4	131.9	133.7	133.7	131.9	131.9	131.9	130.0	130.0	130.0	128.2
102.5°	113.6	119.1	122.7	122.7	122.7	120.9	120.9	120.9	120.9	120.9	119.1
105°	102.6	108.1	111.7	113.6	113.6	113.6	113.6	113.6	113.6	113.6	113.6
107.5°	93.4	98.9	102.6	104.4	106.2	106.2	108.1	108.1	108.1	108.1	108.1
110°	84.3	89.7	95.2	97.1	98.9	100.7	100.7	102.6	100.7	100.7	100.7



TEST NUMBER: P290208

CATALOG NUMBER: 4SSRK-LC-80-L830-CD1-U

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	75.1	82.4	86.1	89.7	91.6	93.4	95.2	95.2	95.2	95.2	95.2
115°	67.8	75.1	78.8	82.4	86.1	87.9	87.9	89.7	89.7	89.7	87.9
117.5°	60.4	67.8	71.4	75.1	76.9	80.6	82.4	82.4	82.4	82.4	80.6
120°	54.9	60.4	64.1	67.8	71.4	73.3	75.1	75.1	75.1	75.1	75.1
122.5°	47.6	53.1	58.6	62.3	64.1	65.9	67.8	67.8	67.8	67.8	67.8
125°	42.1	47.6	51.3	54.9	56.8	60.4	60.4	60.4	60.4	60.4	60.4
127.5°	36.6	42.1	45.8	49.5	51.3	53.1	54.9	54.9	54.9	54.9	54.9
130°	31.1	36.6	40.3	44.0	45.8	47.6	47.6	49.5	49.5	49.5	49.5
132.5°	27.5	31.1	34.8	38.5	40.3	42.1	42.1	44.0	44.0	44.0	44.0
135°	22.0	27.5	29.3	33.0	34.8	36.6	36.6	38.5	38.5	38.5	38.5
137.5°	18.3	22.0	25.6	29.3	31.1	31.1	33.0	33.0	34.8	34.8	34.8
140°	14.7	16.5	22.0	23.8	25.6	27.5	29.3	29.3	29.3	29.3	29.3
142.5°	11.0	14.7	16.5	20.1	22.0	23.8	25.6	25.6	25.6	25.6	25.6
145°	9.2	11.0	12.8	16.5	18.3	20.1	22.0	22.0	22.0	22.0	22.0
147.5°	7.3	9.2	11.0	12.8	14.7	16.5	18.3	18.3	18.3	18.3	18.3
150°	5.5	7.3	9.2	9.2	11.0	12.8	14.7	16.5	16.5	16.5	16.5
152.5°	5.5	5.5	7.3	7.3	9.2	11.0	12.8	12.8	12.8	12.8	12.8
155°	3.7	5.5	5.5	5.5	7.3	7.3	9.2	11.0	11.0	11.0	11.0
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: P290208

CATALOG NUMBER: 4SSRK-LC-80-L830-CD1-U

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3546.0	3546.0	3546.0	3546.0	3546.0	3546.0	3546.0	3546.0	3546.0	3546.0	3546.0
2.5°	3546.0	3553.3	3549.7	3544.2	3542.4	3551.5	3542.4	3500.2	3516.7	3518.5	3531.4
5°	3540.5	3546.0	3542.4	3538.7	3533.2	3544.2	3533.2	3489.2	3505.7	3507.6	3520.4
7.5°	3577.2	3579.0	3579.0	3569.8	3555.2	3560.7	3546.0	3496.6	3505.7	3505.7	3514.9
10°	3668.7	3672.4	3677.9	3654.1	3635.8	3621.1	3601.0	3540.5	3538.7	3524.0	3524.0
12.5°	3787.8	3778.6	3769.5	3758.5	3743.8	3725.5	3696.2	3624.8	3601.0	3577.2	3553.3
15°	3822.6	3818.9	3817.1	3811.6	3802.4	3796.9	3775.0	3703.5	3668.7	3639.4	3597.3
17.5°	3731.0	3738.3	3762.1	3764.0	3775.0	3796.9	3793.3	3743.8	3712.7	3699.9	3648.6
20°	3566.2	3568.0	3597.3	3610.1	3657.7	3694.4	3721.9	3716.4	3709.0	3723.7	3685.2
22.5°	3368.4	3381.2	3412.3	3432.5	3478.2	3520.4	3564.3	3588.1	3626.6	3687.1	3679.7
25°	3099.1	3115.6	3159.5	3192.5	3256.6	3320.7	3379.3	3421.5	3467.3	3582.6	3621.1
27.5°	2776.7	2802.4	2859.2	2892.1	2981.9	3047.8	3132.1	3214.5	3278.6	3410.5	3489.2
30°	2437.9	2459.9	2520.3	2566.1	2643.0	2732.8	2839.0	2956.2	3062.5	3196.2	3295.1
32.5°	2121.0	2144.8	2194.3	2234.6	2320.7	2395.8	2513.0	2657.7	2756.6	2941.6	3073.5
35°	1844.4	1866.4	1901.2	1936.0	2007.5	2084.4	2185.1	2326.2	2452.5	2644.9	2811.5
37.5°	1650.3	1654.0	1674.1	1694.2	1747.4	1806.0	1884.7	2009.3	2126.5	2333.5	2516.6
40°	1511.1	1511.1	1522.1	1527.6	1551.4	1586.2	1635.6	1732.7	1829.8	1987.3	2210.8
42.5°	1425.0	1421.3	1421.3	1423.2	1421.3	1437.8	1467.1	1512.9	1599.0	1729.0	1903.1
45°	1360.9	1353.6	1348.1	1335.3	1327.9	1327.9	1329.8	1346.2	1395.7	1479.9	1621.0
47.5°	1289.5	1287.6	1278.5	1263.8	1251.0	1241.8	1227.2	1221.7	1236.3	1284.0	1379.2
50°	1207.0	1197.9	1188.7	1177.7	1163.1	1153.9	1126.4	1128.3	1115.5	1137.4	1186.9
52.5°	1086.2	1078.8	1075.2	1066.0	1060.5	1056.8	1034.9	1012.9	1007.4	1011.1	1029.4
55°	952.4	956.1	941.5	948.8	946.9	930.5	921.3	904.8	899.3	897.5	906.7
57.5°	813.2	816.9	807.7	815.1	815.1	805.9	800.4	800.4	787.6	776.6	789.4
60°	686.9	679.5	685.0	694.2	694.2	688.7	685.0	685.0	675.9	672.2	681.4
62.5°	584.3	577.0	582.5	591.6	593.4	589.8	586.1	586.1	575.1	575.1	582.5
65°	505.5	507.4	505.5	512.9	512.9	514.7	511.0	507.4	494.5	500.0	498.2
67.5°	448.7	446.9	446.9	454.2	452.4	456.1	452.4	446.9	437.8	430.4	428.6
70°	401.1	399.3	399.3	403.0	404.8	404.8	403.0	399.3	386.5	379.1	373.7
72.5°	359.0	357.2	359.0	360.8	362.7	364.5	362.7	359.0	348.0	338.8	329.7
75°	320.5	318.7	324.2	324.2	326.0	326.0	327.9	326.0	316.9	305.9	294.9
77.5°	282.1	283.9	289.4	291.2	294.9	296.7	298.6	298.6	289.4	280.2	265.6
80°	250.9	254.6	258.3	260.1	263.8	269.2	271.1	272.9	265.6	256.4	239.9
82.5°	229.0	230.8	234.4	236.3	241.8	243.6	245.4	249.1	245.4	236.3	218.0
85°	210.6	212.5	216.1	216.1	219.8	223.5	225.3	227.1	225.3	216.1	197.8
87.5°	194.2	196.0	197.8	199.6	201.5	203.3	205.1	207.0	205.1	196.0	179.5
90°	179.5	179.5	181.3	181.3	183.2	185.0	188.7	188.7	186.8	179.5	163.0
92.5°	163.0	164.8	164.8	166.7	168.5	170.3	172.2	172.2	170.3	163.0	148.4
95°	152.0	152.0	153.9	153.9	155.7	155.7	157.5	157.5	155.7	148.4	133.7
97.5°	139.2	139.2	139.2	139.2	141.0	141.0	142.9	142.9	141.0	133.7	120.9
100°	128.2	128.2	128.2	128.2	128.2	130.0	130.0	130.0	128.2	120.9	108.1
102.5°	119.1	119.1	119.1	119.1	119.1	119.1	119.1	119.1	115.4	109.9	97.1
105°	113.6	113.6	113.6	111.7	111.7	111.7	109.9	109.9	104.4	98.9	87.9
107.5°	106.2	106.2	106.2	104.4	104.4	102.6	100.7	100.7	95.2	89.7	78.8
110°	100.7	100.7	100.7	98.9	97.1	95.2	93.4	91.6	86.1	78.8	69.6





TEST NUMBER: P290208

CATALOG NUMBER: 4SSRK-LC-80-L830-CD1-U

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	95.2	95.2	93.4	93.4	91.6	89.7	86.1	84.3	78.8	71.4	62.3
115°	87.9	87.9	87.9	86.1	84.3	82.4	80.6	76.9	71.4	64.1	54.9
117.5°	80.6	80.6	80.6	78.8	76.9	75.1	73.3	69.6	64.1	56.8	49.5
120°	73.3	73.3	73.3	71.4	69.6	67.8	65.9	62.3	56.8	51.3	42.1
122.5°	67.8	67.8	65.9	64.1	62.3	60.4	58.6	54.9	51.3	44.0	36.6
125°	60.4	60.4	58.6	58.6	56.8	54.9	53.1	49.5	44.0	38.5	33.0
127.5°	54.9	53.1	53.1	53.1	51.3	49.5	45.8	44.0	38.5	33.0	27.5
130°	47.6	47.6	47.6	45.8	45.8	44.0	40.3	36.6	33.0	29.3	23.8
132.5°	42.1	42.1	42.1	42.1	40.3	38.5	34.8	33.0	29.3	23.8	20.1
135°	38.5	38.5	36.6	36.6	34.8	33.0	31.1	27.5	23.8	20.1	16.5
137.5°	33.0	33.0	33.0	31.1	31.1	29.3	25.6	23.8	22.0	18.3	14.7
140°	29.3	29.3	27.5	27.5	25.6	25.6	23.8	20.1	18.3	14.7	12.8
142.5°	25.6	25.6	23.8	23.8	22.0	22.0	20.1	18.3	14.7	12.8	9.2
145°	22.0	22.0	20.1	20.1	20.1	18.3	16.5	14.7	12.8	11.0	9.2
147.5°	18.3	18.3	18.3	16.5	16.5	14.7	14.7	12.8	11.0	9.2	7.3
150°	16.5	16.5	14.7	14.7	14.7	12.8	11.0	11.0	9.2	7.3	5.5
152.5°	12.8	12.8	12.8	12.8	11.0	11.0	9.2	9.2	7.3	5.5	5.5
155°	11.0	11.0	11.0	9.2	9.2	9.2	7.3	7.3	5.5	5.5	3.7
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P290208

CATALOG NUMBER: 4SSRK-LC-80-L830-CD1-U

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	3546.0	3546.0	3546.0	3546.0	3546.0	3546.0	3546.0
2.5°	3525.9	3524.0	3540.5	3538.7	3516.7	3549.7	3571.7
5°	3516.7	3514.9	3529.5	3533.2	3509.4	3544.2	3568.0
7.5°	3509.4	3507.6	3524.0	3529.5	3505.7	3536.9	3562.5
10°	3511.2	3502.1	3516.7	3520.4	3498.4	3531.4	3553.3
12.5°	3524.0	3502.1	3507.6	3507.6	3487.4	3516.7	3540.5
15°	3555.2	3509.4	3502.1	3496.6	3470.9	3498.4	3522.2
17.5°	3590.0	3527.7	3502.1	3483.7	3452.6	3476.4	3502.1
20°	3624.8	3547.8	3505.7	3476.4	3434.3	3456.3	3474.6
22.5°	3641.3	3566.2	3509.4	3465.4	3412.3	3423.3	3443.4
25°	3619.3	3558.8	3502.1	3448.9	3384.8	3386.7	3403.2
27.5°	3538.7	3522.2	3485.6	3432.5	3362.9	3353.7	3366.5
30°	3401.3	3447.1	3448.9	3410.5	3337.2	3318.9	3324.4
32.5°	3209.0	3311.6	3372.0	3364.7	3300.6	3274.9	3278.6
35°	2987.4	3115.6	3247.5	3291.4	3245.6	3225.5	3218.2
37.5°	2721.8	2894.0	3069.8	3177.9	3170.5	3157.7	3150.4
40°	2428.7	2635.7	2844.5	3016.7	3069.8	3069.8	3073.5
42.5°	2115.5	2357.3	2586.2	2804.2	2928.8	2956.2	2967.2
45°	1813.3	2056.9	2306.0	2556.9	2723.6	2809.7	2840.8
47.5°	1538.6	1784.0	2020.3	2295.0	2516.6	2628.4	2677.8
50°	1304.1	1487.3	1736.4	2009.3	2251.1	2388.4	2485.5
52.5°	1110.0	1252.8	1470.8	1725.4	1969.0	2157.6	2247.4
55°	946.9	1044.0	1229.0	1448.8	1681.4	1877.4	1981.8
57.5°	809.6	886.5	1012.9	1196.0	1392.0	1586.2	1697.9
60°	688.7	741.8	827.9	972.6	1139.3	1305.9	1414.0
62.5°	584.3	619.1	675.9	782.1	912.1	1042.2	1142.9
65°	503.7	518.3	549.5	615.4	714.3	813.2	899.3
67.5°	424.9	434.1	457.9	498.2	547.7	619.1	675.9
70°	366.3	366.3	368.2	392.0	417.6	463.4	503.7
72.5°	318.7	313.2	302.2	307.7	313.2	338.8	364.5
75°	280.2	267.4	249.1	241.8	238.1	241.8	256.4
77.5°	247.3	229.0	207.0	188.7	174.0	168.5	181.3
80°	219.8	197.8	172.2	148.4	124.6	111.7	117.2
82.5°	197.8	170.3	142.9	115.4	87.9	69.6	69.6
85°	174.0	148.4	119.1	89.7	62.3	38.5	34.8
87.5°	157.5	130.0	98.9	71.4	44.0	20.1	11.0
90°	141.0	113.6	84.3	56.8	31.1	9.2	0.0
92.5°	126.4	100.7	73.3	45.8	22.0	5.5	0.0
95°	113.6	89.7	62.3	38.5	18.3	3.7	1.8
97.5°	100.7	78.8	54.9	31.1	12.8	3.7	1.8
100°	91.6	69.6	47.6	25.6	11.0	1.8	1.8
102.5°	80.6	62.3	40.3	22.0	9.2	1.8	1.8
105°	71.4	54.9	34.8	18.3	7.3	1.8	1.8
107.5°	64.1	47.6	31.1	16.5	7.3	1.8	1.8
110°	56.8	42.1	27.5	14.7	5.5	1.8	1.8



TEST NUMBER: P290208

CATALOG NUMBER: 4SSRK-LC-80-L830-CD1-U

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	51.3	36.6	23.8	12.8	3.7	1.8	1.8
115°	44.0	33.0	20.1	11.0	3.7	1.8	1.8
117.5°	38.5	27.5	18.3	9.2	3.7	1.8	1.8
120°	33.0	23.8	14.7	7.3	1.8	1.8	1.8
122.5°	29.3	20.1	12.8	7.3	1.8	1.8	1.8
125°	25.6	18.3	11.0	5.5	1.8	1.8	1.8
127.5°	22.0	14.7	9.2	3.7	1.8	1.8	1.8
130°	18.3	12.8	7.3	3.7	1.8	1.8	1.8
132.5°	14.7	11.0	7.3	3.7	1.8	1.8	1.8
135°	12.8	9.2	5.5	3.7	1.8	1.8	1.8
137.5°	11.0	7.3	3.7	3.7	3.7	1.8	1.8
140°	9.2	5.5	3.7	3.7	3.7	3.7	1.8
142.5°	7.3	5.5	3.7	3.7	3.7	3.7	1.8
145°	5.5	3.7	3.7	3.7	3.7	3.7	1.8
147.5°	5.5	3.7	3.7	3.7	3.7	3.7	1.8
150°	3.7	3.7	3.7	3.7	3.7	3.7	3.7
152.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7
155°	3.7	3.7	3.7	3.7	3.7	3.7	3.7
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)