

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: P290258

Luminaire Tested: **8SSRK-LC-12-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: P290258  
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: 8SSRK-LC-12-L840-CD1-U  
Description: 12000 LUMEN, 8 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: 12099.8 lumens  
Efficiency: N/A  
Efficacy: 149.6 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1.12 / 1.19  
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')  
CIE Type: Direct

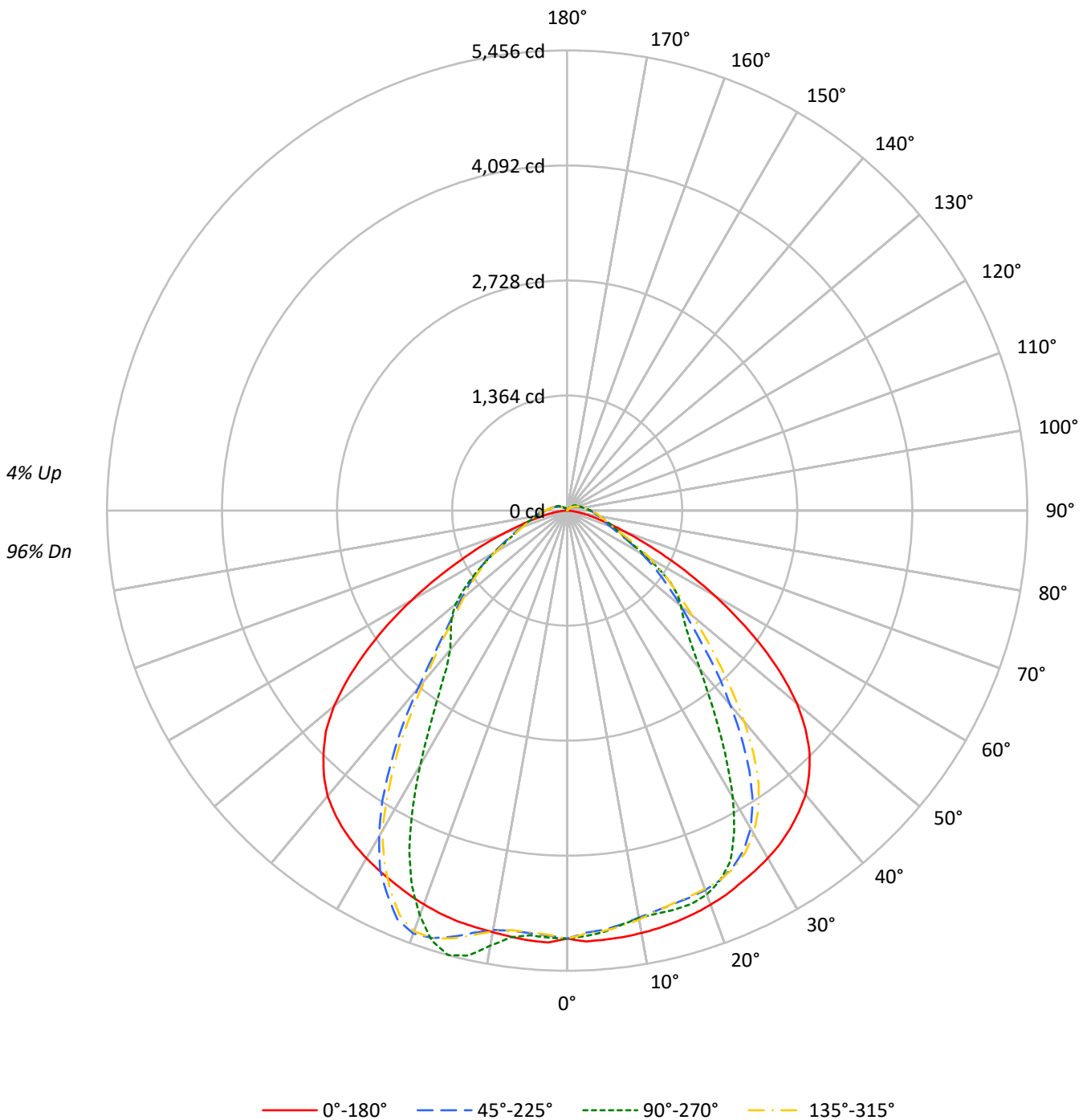
Input Watts (W): 80.8951  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	163895	163895	163895	163895
5°	165241	120427	165581	121370
10°	166158	94315	165815	100718
15°	167605	79065	167515	88034
20°	169616	67791	169438	71460
25°	171886	56987	171791	55063
30°	175314	44278	175410	39227
35°	178972	32357	179481	27381
40°	182256	23668	183014	20852
45°	181902	18270	182841	17791
50°	174392	15347	176833	15004
55°	155082	12577	158953	11434
60°	126157	8756	132858	8030
65°	94146	6065	101438	5752
70°	64387	4707	72576	4500
75°	42485	3779	49466	3573
80°	27907	3088	32696	2841
85°	14902	2641	19601	2412



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	482.1	4.0
10°-20°	1434.5	11.9
20°-30°	2180.8	18.0
30°-40°	2339.5	19.3
40°-50°	2030.4	16.8
50°-60°	1504.7	12.4
60°-70°	862.2	7.1
70°-80°	477.4	3.9
80°-90°	290.7	2.4
90°-100°	189.1	1.6
100°-110°	126.6	1.0
110°-120°	85.5	0.7
120°-130°	52.5	0.4
130°-140°	27.6	0.2
140°-150°	12.6	0.1
150°-160°	3.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	4097.4	33.9
0°-40°	6436.8	53.2
0°-60°	9972.0	82.4
0°-90°	11602.3	95.9
90°-120°	401.2	3.3
90°-150°	493.8	4.1
90°-180°	497.0	4.1
0°-180°	12099.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	5076	5076	5076	5076	5076	
5°	5107	5015	5118	5055	5107	487
15°	5042	4900	5039	5456	5042	1426
25°	4871	4583	4868	4428	4871	2252
35°	4606	3120	4619	2640	4606	2883
45°	4066	2000	4087	1948	4066	3113
55°	2837	1500	2907	1363	2837	2515
65°	1287	760	1387	721	1287	1298
75°	367	482	427	456	367	419
85°	50	333	66	304	50	66
90°	0	278	5	257	0	2
95°	3	228	0	218	3	2
105°	3	170	3	162	3	3
115°	3	139	3	126	3	3
125°	3	105	3	86	3	2
135°	3	66	3	55	3	2
145°	3	39	5	32	3	2
155°	5	18	5	16	5	2
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°	5075.5	5075.5	5075.5	5075.5	5075.5	5075.5	5075.5	5075.5	5075.5	5075.5	5075.5
2.5°	5112.3	5099.1	5093.9	5083.4	5091.3	5122.7	5101.8	5067.7	5070.3	5010.0	5041.5
5°	5107.0	5091.3	5083.4	5072.9	5078.2	5107.0	5086.0	5052.0	5049.3	4989.0	5017.9
7.5°	5099.1	5083.4	5070.3	5062.4	5065.1	5088.7	5062.4	5023.1	5015.3	4949.7	4975.9
10°	5086.0	5075.5	5057.2	5044.1	5041.5	5067.7	5025.7	4986.4	4968.1	4899.9	4926.1
12.5°	5067.7	5052.0	5033.6	5010.0	5007.4	5023.1	4989.0	4934.0	4915.6	4860.6	4889.4
15°	5041.5	5023.1	5002.1	4975.9	4962.8	4973.3	4931.4	4881.5	4878.9	4831.7	4871.1
17.5°	5012.6	4986.4	4962.8	4926.1	4907.8	4915.6	4881.5	4837.0	4842.2	4813.4	4858.0
20°	4973.3	4944.5	4907.8	4871.1	4844.8	4858.0	4834.4	4800.3	4808.1	4787.2	4826.5
22.5°	4928.7	4889.4	4844.8	4802.9	4781.9	4800.3	4781.9	4753.1	4755.7	4742.6	4766.2
25°	4871.1	4826.5	4774.1	4721.6	4711.1	4724.2	4713.8	4690.2	4679.7	4658.7	4669.2
27.5°	4818.6	4768.8	4703.3	4648.2	4629.9	4656.1	4632.5	4593.2	4564.3	4535.5	4514.5
30°	4758.3	4698.0	4624.6	4561.7	4546.0	4556.5	4522.4	4462.1	4386.1	4349.3	4291.7
32.5°	4692.8	4614.1	4522.4	4451.6	4441.1	4433.2	4370.3	4283.8	4165.8	4092.4	4003.3
35°	4606.3	4519.8	4409.6	4323.1	4307.4	4262.8	4160.6	4045.2	3893.2	3767.3	3615.3
37.5°	4509.3	4407.0	4291.7	4176.3	4131.7	4042.6	3898.4	3777.8	3547.1	3395.1	3211.5
40°	4399.2	4275.9	4134.4	3995.4	3922.0	3777.8	3612.7	3434.4	3211.5	3007.1	2852.4
42.5°	4247.1	4116.0	3948.2	3793.6	3667.7	3476.3	3282.3	3030.6	2826.2	2653.1	2495.8
45°	4066.2	3908.9	3714.9	3528.8	3368.8	3140.8	2912.7	2661.0	2490.6	2288.7	2181.2
47.5°	3832.9	3662.5	3455.4	3248.2	3038.5	2786.8	2548.3	2307.1	2136.7	1992.5	1913.8
50°	3557.6	3400.3	3172.2	2925.8	2695.1	2432.9	2194.3	2013.4	1848.3	1759.1	1698.8
52.5°	3216.8	3070.0	2836.6	2569.2	2346.4	2089.5	1871.9	1725.1	1607.1	1541.5	1520.6
55°	2836.6	2708.2	2477.5	2228.4	2000.3	1764.4	1599.2	1470.8	1394.7	1355.4	1358.0
57.5°	2430.3	2330.7	2113.1	1890.2	1675.2	1497.0	1347.5	1245.3	1187.6	1185.0	1192.9
60°	2023.9	1950.5	1761.8	1570.4	1381.6	1237.4	1127.3	1056.5	1019.8	1022.5	1019.8
62.5°	1635.9	1567.8	1431.4	1274.1	1124.7	1027.7	928.1	899.2	867.8	865.2	865.2
65°	1287.2	1234.8	1124.7	1012.0	899.2	836.3	786.5	752.4	728.8	723.6	726.2
67.5°	967.4	946.4	870.4	794.4	723.6	684.3	642.3	634.4	616.1	616.1	621.3
70°	721.0	705.2	663.3	618.7	589.9	563.7	542.7	542.7	540.1	537.4	550.6
72.5°	521.7	524.3	511.2	477.1	474.5	469.3	464.0	471.9	474.5	482.4	498.1
75°	367.0	374.9	374.9	369.7	380.1	393.3	401.1	414.2	430.0	440.4	458.8
77.5°	259.5	259.5	272.7	288.4	309.4	333.0	353.9	372.3	393.3	406.4	422.1
80°	167.8	175.7	196.6	225.5	254.3	285.8	314.6	338.2	359.2	380.1	390.6
82.5°	99.6	112.7	138.9	175.7	212.4	251.7	280.5	309.4	333.0	353.9	361.8
85°	49.8	68.2	99.6	138.9	178.3	220.2	256.9	283.1	309.4	327.7	338.2
87.5°	15.7	36.7	70.8	107.5	149.4	191.4	230.7	259.5	283.1	298.9	309.4
90°	0.0	18.4	49.8	89.1	128.5	170.4	207.1	238.6	262.2	275.3	283.1
92.5°	0.0	10.5	39.3	73.4	110.1	152.1	188.8	217.6	238.6	251.7	256.9
95°	2.6	7.9	28.8	60.3	97.0	136.3	170.4	196.6	217.6	230.7	233.3
97.5°	2.6	5.2	23.6	49.8	83.9	120.6	154.7	180.9	196.6	209.7	212.4
100°	2.6	5.2	18.4	44.6	73.4	107.5	138.9	162.5	180.9	191.4	194.0
102.5°	2.6	2.6	15.7	36.7	65.5	94.4	123.2	146.8	162.5	173.0	178.3
105°	2.6	2.6	13.1	31.5	57.7	83.9	110.1	133.7	146.8	157.3	162.5
107.5°	2.6	2.6	10.5	26.2	49.8	73.4	99.6	118.0	133.7	144.2	149.4
110°	2.6	2.6	7.9	23.6	41.9	65.5	86.5	104.9	120.6	131.1	136.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	2.6	2.6	7.9	21.0	36.7	57.7	76.0	94.4	107.5	118.0	125.8
115°	2.6	2.6	7.9	18.4	34.1	49.8	68.2	83.9	97.0	107.5	115.4
117.5°	2.6	2.6	7.9	15.7	28.8	44.6	60.3	76.0	86.5	97.0	104.9
120°	2.6	2.6	5.2	13.1	26.2	39.3	52.4	65.5	78.7	89.1	97.0
122.5°	2.6	2.6	5.2	13.1	21.0	34.1	47.2	57.7	70.8	78.7	86.5
125°	2.6	2.6	5.2	10.5	18.4	31.5	41.9	52.4	60.3	70.8	78.7
127.5°	2.6	2.6	5.2	10.5	15.7	26.2	36.7	47.2	55.1	62.9	68.2
130°	2.6	2.6	5.2	7.9	13.1	21.0	31.5	39.3	49.8	55.1	60.3
132.5°	2.6	2.6	2.6	7.9	10.5	15.7	23.6	34.1	41.9	49.8	52.4
135°	2.6	2.6	2.6	5.2	10.5	13.1	18.4	26.2	34.1	41.9	47.2
137.5°	2.6	2.6	2.6	5.2	7.9	13.1	15.7	21.0	28.8	34.1	41.9
140°	2.6	2.6	2.6	5.2	7.9	10.5	13.1	18.4	23.6	28.8	34.1
142.5°	2.6	2.6	2.6	5.2	5.2	7.9	10.5	15.7	18.4	23.6	28.8
145°	2.6	2.6	2.6	5.2	5.2	7.9	10.5	13.1	15.7	18.4	23.6
147.5°	2.6	2.6	2.6	5.2	5.2	5.2	7.9	10.5	13.1	15.7	18.4
150°	5.2	5.2	5.2	5.2	5.2	5.2	7.9	7.9	10.5	13.1	15.7
152.5°	5.2	5.2	5.2	5.2	5.2	5.2	7.9	7.9	7.9	10.5	13.1
155°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	7.9	7.9	10.5	10.5
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°	5075.5	5075.5	5075.5	5075.5	5075.5	5075.5	5075.5	5075.5	5075.5	5075.5	5075.5
2.5°	5031.0	5036.2	5067.7	5065.1	5059.8	5054.6	5054.6	5049.3	5054.6	5067.7	5062.4
5°	5004.8	5012.6	5036.2	5033.6	5028.4	5025.7	5023.1	5015.3	5020.5	5038.8	5033.6
7.5°	4957.6	4965.4	4986.4	4975.9	4968.1	4973.3	4960.2	4952.3	4962.8	4981.2	4978.5
10°	4907.8	4913.0	4939.2	4934.0	4920.9	4923.5	4910.4	4905.1	4918.2	4928.7	4931.4
12.5°	4873.7	4892.0	4915.6	4913.0	4910.4	4913.0	4899.9	4894.7	4902.5	4913.0	4910.4
15°	4865.8	4889.4	4915.6	4915.6	4918.2	4920.9	4907.8	4899.9	4907.8	4915.6	4913.0
17.5°	4858.0	4886.8	4910.4	4907.8	4910.4	4915.6	4894.7	4889.4	4899.9	4910.4	4905.1
20°	4831.7	4858.0	4873.7	4868.4	4868.4	4871.1	4844.8	4844.8	4860.6	4868.4	4871.1
22.5°	4758.3	4789.8	4789.8	4776.7	4776.7	4766.2	4758.3	4742.6	4760.9	4774.1	4784.5
25°	4648.2	4661.3	4645.6	4616.8	4601.0	4587.9	4551.2	4582.7	4582.7	4622.0	4635.1
27.5°	4493.5	4464.7	4420.1	4359.8	4346.7	4304.8	4281.2	4289.0	4302.2	4357.2	4399.2
30°	4239.2	4152.7	4076.7	4050.5	3992.8	3950.9	3908.9	3929.9	3953.5	3984.9	4071.5
32.5°	3903.7	3819.8	3696.6	3652.0	3591.7	3539.3	3489.4	3520.9	3562.8	3583.8	3678.2
35°	3518.3	3418.7	3305.9	3229.9	3167.0	3138.1	3075.2	3119.8	3164.4	3180.1	3261.4
37.5°	3109.3	3007.1	2907.4	2841.9	2781.6	2763.2	2721.3	2752.8	2786.8	2810.4	2878.6
40°	2721.3	2626.9	2550.9	2506.3	2464.4	2448.6	2432.9	2446.0	2472.2	2490.6	2543.0
42.5°	2388.3	2312.3	2259.9	2233.7	2204.8	2183.8	2186.5	2191.7	2204.8	2244.1	2267.7
45°	2097.3	2052.8	2018.7	2013.4	1995.1	1992.5	1989.8	2000.3	2008.2	2031.8	2050.1
47.5°	1864.0	1845.7	1837.8	1848.3	1856.1	1845.7	1850.9	1864.0	1879.7	1879.7	1877.1
50°	1680.5	1685.7	1696.2	1719.8	1735.5	1740.8	1746.0	1761.8	1764.4	1769.6	1761.8
52.5°	1531.1	1536.3	1565.1	1601.8	1620.2	1628.1	1638.5	1654.3	1654.3	1659.5	1649.0
55°	1379.0	1386.9	1415.7	1452.4	1468.1	1478.6	1489.1	1499.6	1507.5	1517.9	1510.1
57.5°	1211.2	1234.8	1253.2	1263.6	1274.1	1282.0	1289.9	1292.5	1308.2	1310.8	1323.9
60°	1032.9	1038.2	1056.5	1053.9	1046.0	1067.0	1056.5	1074.9	1093.2	1116.8	1119.5
62.5°	862.5	865.2	878.3	873.0	883.5	880.9	888.7	888.7	901.9	912.3	925.4
65°	728.8	731.4	741.9	741.9	739.3	747.2	755.0	760.3	760.3	768.1	778.6
67.5°	629.2	637.1	647.6	652.8	658.0	658.0	665.9	668.5	673.8	676.4	681.6
70°	561.0	571.5	582.0	587.3	589.9	595.1	597.7	597.7	603.0	605.6	610.8
72.5°	511.2	521.7	529.6	529.6	534.8	537.4	537.4	540.1	542.7	547.9	553.2
75°	469.3	477.1	482.4	479.8	479.8	479.8	482.4	482.4	487.6	492.9	498.1
77.5°	430.0	437.8	437.8	432.6	432.6	432.6	432.6	435.2	437.8	443.1	448.3
80°	401.1	401.1	398.5	398.5	393.3	390.6	390.6	393.3	393.3	398.5	406.4
82.5°	369.7	369.7	367.0	364.4	361.8	359.2	359.2	361.8	364.4	367.0	372.3
85°	340.8	340.8	335.6	335.6	333.0	333.0	333.0	333.0	335.6	338.2	343.4
87.5°	312.0	309.4	306.7	304.1	304.1	304.1	304.1	304.1	306.7	312.0	314.6
90°	283.1	280.5	277.9	277.9	275.3	275.3	277.9	277.9	280.5	283.1	285.8
92.5°	256.9	254.3	251.7	251.7	249.1	249.1	251.7	249.1	254.3	254.3	256.9
95°	233.3	230.7	228.1	228.1	228.1	228.1	228.1	228.1	230.7	230.7	233.3
97.5°	212.4	209.7	207.1	207.1	209.7	207.1	209.7	209.7	209.7	212.4	215.0
100°	194.0	191.4	191.4	194.0	191.4	191.4	194.0	194.0	194.0	194.0	196.6
102.5°	178.3	178.3	178.3	178.3	178.3	178.3	180.9	180.9	180.9	180.9	183.5
105°	162.5	165.2	165.2	165.2	167.8	167.8	167.8	170.4	170.4	170.4	170.4
107.5°	152.1	154.7	154.7	157.3	157.3	159.9	159.9	159.9	159.9	162.5	162.5
110°	141.6	144.2	146.8	149.4	149.4	152.1	152.1	152.1	152.1	152.1	152.1





TEST NUMBER: P290258

CATALOG NUMBER: 8SSRK-LC-12-L840-CD1-U

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	131.1	133.7	136.3	141.6	144.2	144.2	144.2	144.2	146.8	146.8	144.2
115°	120.6	125.8	128.5	133.7	136.3	136.3	138.9	138.9	138.9	138.9	136.3
117.5°	110.1	118.0	120.6	125.8	128.5	128.5	131.1	131.1	131.1	131.1	128.5
120°	102.2	107.5	112.7	115.4	118.0	120.6	120.6	123.2	123.2	123.2	120.6
122.5°	94.4	99.6	104.9	107.5	110.1	112.7	112.7	112.7	112.7	112.7	112.7
125°	83.9	89.1	94.4	97.0	99.6	102.2	102.2	104.9	104.9	104.9	102.2
127.5°	76.0	81.3	83.9	89.1	91.8	91.8	94.4	94.4	94.4	94.4	91.8
130°	65.5	70.8	76.0	78.7	81.3	81.3	83.9	83.9	83.9	83.9	83.9
132.5°	57.7	62.9	65.5	70.8	70.8	73.4	73.4	76.0	76.0	76.0	73.4
135°	52.4	55.1	57.7	62.9	62.9	65.5	65.5	65.5	65.5	65.5	65.5
137.5°	47.2	49.8	52.4	55.1	55.1	57.7	57.7	57.7	57.7	60.3	57.7
140°	39.3	44.6	47.2	47.2	49.8	49.8	49.8	52.4	52.4	52.4	49.8
142.5°	34.1	36.7	39.3	41.9	44.6	44.6	44.6	44.6	47.2	44.6	44.6
145°	26.2	31.5	34.1	36.7	39.3	39.3	39.3	39.3	39.3	39.3	39.3
147.5°	21.0	23.6	28.8	31.5	31.5	34.1	34.1	34.1	34.1	34.1	34.1
150°	18.4	18.4	23.6	26.2	28.8	28.8	28.8	28.8	28.8	28.8	28.8
152.5°	13.1	15.7	18.4	21.0	23.6	23.6	23.6	23.6	23.6	23.6	23.6
155°	13.1	13.1	15.7	15.7	18.4	18.4	18.4	18.4	21.0	18.4	18.4
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: P290258

CATALOG NUMBER: 8SSRK-LC-12-L840-CD1-U

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	5075.5	5075.5	5075.5	5075.5	5075.5	5075.5	5075.5	5075.5	5075.5	5075.5	5075.5
2.5°	5054.6	5052.0	5062.4	5052.0	4999.5	5020.5	5012.6	5041.5	5044.1	5052.0	5078.2
5°	5028.4	5028.4	5041.5	5031.0	4981.2	5002.1	4999.5	5028.4	5033.6	5038.8	5067.7
7.5°	4975.9	4978.5	4996.9	4989.0	4936.6	4968.1	4965.4	4999.5	5010.0	5020.5	5046.7
10°	4926.1	4923.5	4944.5	4936.6	4886.8	4923.5	4920.9	4955.0	4970.7	4989.0	5020.5
12.5°	4899.9	4892.0	4899.9	4892.0	4837.0	4865.8	4868.4	4907.8	4926.1	4949.7	4986.4
15°	4899.9	4886.8	4886.8	4871.1	4808.1	4826.5	4829.1	4855.3	4878.9	4902.5	4947.1
17.5°	4894.7	4881.5	4878.9	4865.8	4797.7	4797.7	4795.0	4813.4	4826.5	4850.1	4897.3
20°	4865.8	4860.6	4858.0	4850.1	4787.2	4776.7	4771.4	4771.4	4779.3	4787.2	4834.4
22.5°	4789.8	4795.0	4800.3	4805.5	4755.7	4737.4	4740.0	4734.7	4726.9	4726.9	4766.2
25°	4648.2	4674.4	4695.4	4719.0	4690.2	4677.1	4692.8	4684.9	4671.8	4661.3	4695.4
27.5°	4422.8	4477.8	4522.4	4580.1	4582.7	4572.2	4614.1	4608.9	4606.3	4590.5	4616.8
30°	4110.8	4197.3	4257.6	4341.5	4412.3	4422.8	4493.5	4504.0	4514.5	4506.6	4532.9
32.5°	3733.3	3851.2	3953.5	4084.6	4152.7	4213.0	4312.6	4354.6	4396.5	4409.6	4438.5
35°	3321.7	3455.4	3576.0	3720.1	3827.6	3958.7	4079.3	4142.2	4236.6	4273.3	4315.3
37.5°	2931.0	3056.9	3174.8	3319.0	3492.1	3628.4	3777.8	3919.4	4047.9	4100.3	4163.2
40°	2585.0	2687.2	2799.9	2925.8	3083.1	3261.4	3423.9	3620.5	3772.6	3877.4	3969.2
42.5°	2322.8	2372.6	2469.6	2582.3	2708.2	2889.1	3054.2	3274.5	3458.0	3607.4	3759.5
45°	2089.5	2113.1	2183.8	2244.1	2372.6	2532.5	2708.2	2923.2	3114.5	3305.9	3489.4
47.5°	1890.2	1919.1	1953.1	1989.8	2081.6	2215.3	2367.4	2561.4	2752.8	2975.6	3185.3
50°	1756.5	1764.4	1769.6	1785.4	1840.4	1932.2	2055.4	2220.6	2404.1	2642.6	2865.5
52.5°	1638.5	1638.5	1622.8	1614.9	1635.9	1693.6	1764.4	1882.4	2071.1	2291.3	2527.3
55°	1512.7	1489.1	1483.9	1457.6	1462.9	1489.1	1523.2	1614.9	1769.6	1958.4	2186.5
57.5°	1337.1	1326.6	1326.6	1316.1	1295.1	1308.2	1316.1	1381.6	1491.7	1654.3	1853.5
60°	1135.2	1129.9	1143.0	1145.7	1127.3	1135.2	1132.6	1171.9	1250.5	1381.6	1546.8
62.5°	933.3	956.9	959.5	970.0	959.5	956.9	970.0	1004.1	1043.4	1143.0	1271.5
65°	783.9	797.0	799.6	812.7	807.5	807.5	818.0	844.2	867.8	935.9	1035.6
67.5°	686.9	681.6	684.3	692.1	684.3	681.6	689.5	705.2	723.6	765.5	836.3
70°	610.8	605.6	605.6	605.6	595.1	587.3	589.9	595.1	603.0	626.6	671.1
72.5°	553.2	553.2	545.3	537.4	529.6	524.3	519.1	513.8	511.2	519.1	542.7
75°	500.7	503.4	500.7	492.9	482.4	471.9	461.4	450.9	437.8	432.6	435.2
77.5°	453.5	456.2	458.8	456.2	445.7	432.6	416.8	401.1	382.8	364.4	353.9
80°	411.6	416.8	419.5	416.8	409.0	398.5	380.1	361.8	335.6	312.0	285.8
82.5°	374.9	382.8	385.4	385.4	380.1	369.7	348.7	327.7	298.9	267.4	233.3
85°	346.1	351.3	356.5	356.5	353.9	343.4	322.5	298.9	270.0	233.3	196.6
87.5°	317.2	319.8	325.1	330.3	325.1	314.6	296.2	270.0	241.2	204.5	162.5
90°	288.4	291.0	296.2	301.5	298.9	288.4	272.7	249.1	217.6	178.3	136.3
92.5°	259.5	264.8	267.4	270.0	272.7	264.8	251.7	228.1	196.6	157.3	118.0
95°	238.6	238.6	243.8	246.4	249.1	241.2	230.7	207.1	178.3	141.6	102.2
97.5°	217.6	217.6	222.8	222.8	225.5	220.2	209.7	188.8	159.9	125.8	86.5
100°	196.6	199.2	201.9	204.5	204.5	201.9	191.4	170.4	144.2	112.7	76.0
102.5°	183.5	183.5	186.1	186.1	188.8	183.5	173.0	154.7	128.5	99.6	65.5
105°	170.4	170.4	173.0	173.0	170.4	165.2	154.7	138.9	115.4	86.5	57.7
107.5°	159.9	159.9	159.9	159.9	157.3	152.1	141.6	123.2	102.2	78.7	52.4
110°	152.1	149.4	149.4	146.8	144.2	136.3	125.8	110.1	91.8	68.2	44.6



TEST NUMBER: P290258

CATALOG NUMBER: 8SSRK-LC-12-L840-CD1-U

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	144.2	141.6	138.9	136.3	131.1	123.2	112.7	99.6	81.3	60.3	39.3
115°	136.3	133.7	131.1	125.8	120.6	112.7	102.2	89.1	70.8	52.4	34.1
117.5°	128.5	125.8	120.6	115.4	110.1	102.2	91.8	78.7	62.9	47.2	31.5
120°	118.0	115.4	112.7	107.5	102.2	91.8	81.3	70.8	55.1	41.9	26.2
122.5°	110.1	107.5	102.2	99.6	91.8	83.9	73.4	62.9	49.8	36.7	23.6
125°	99.6	97.0	94.4	89.1	83.9	73.4	65.5	55.1	44.6	31.5	18.4
127.5°	91.8	89.1	83.9	78.7	73.4	65.5	57.7	49.8	39.3	26.2	18.4
130°	81.3	78.7	76.0	70.8	65.5	57.7	52.4	41.9	34.1	23.6	15.7
132.5°	70.8	70.8	68.2	62.9	57.7	52.4	44.6	36.7	28.8	21.0	13.1
135°	65.5	62.9	60.3	55.1	52.4	44.6	39.3	31.5	23.6	18.4	10.5
137.5°	57.7	55.1	52.4	49.8	44.6	39.3	34.1	26.2	21.0	15.7	10.5
140°	49.8	47.2	47.2	41.9	39.3	34.1	28.8	23.6	18.4	13.1	7.9
142.5°	44.6	41.9	39.3	36.7	34.1	28.8	23.6	18.4	15.7	10.5	7.9
145°	39.3	36.7	34.1	31.5	28.8	23.6	21.0	15.7	13.1	10.5	7.9
147.5°	31.5	31.5	28.8	26.2	23.6	21.0	18.4	15.7	10.5	7.9	5.2
150°	26.2	26.2	23.6	21.0	21.0	18.4	15.7	13.1	10.5	7.9	5.2
152.5°	23.6	21.0	21.0	18.4	18.4	15.7	13.1	10.5	7.9	7.9	5.2
155°	18.4	18.4	18.4	15.7	15.7	13.1	10.5	10.5	7.9	5.2	5.2
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: P290258

CATALOG NUMBER: 8SSRK-LC-12-L840-CD1-U

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	5075.5	5075.5	5075.5	5075.5	5075.5	5075.5	5075.5	5075.5	5075.5	5075.5	5075.5
2.5°	5083.4	5052.0	5078.2	5125.4	5120.1	5114.9	5109.6	5120.1	5154.2	5135.8	5107.0
5°	5075.5	5044.1	5072.9	5117.5	5114.9	5107.0	5101.8	5112.3	5146.3	5128.0	5096.5
7.5°	5059.8	5031.0	5052.0	5096.5	5096.5	5091.3	5086.0	5096.5	5128.0	5112.3	5080.8
10°	5033.6	5012.6	5033.6	5075.5	5078.2	5067.7	5062.4	5075.5	5107.0	5099.1	5072.9
12.5°	5012.6	4991.7	5015.3	5057.2	5059.8	5049.3	5041.5	5057.2	5099.1	5104.4	5096.5
15°	4983.8	4965.4	4994.3	5038.8	5038.8	5031.0	5031.0	5052.0	5109.6	5133.2	5146.3
17.5°	4941.8	4928.7	4962.8	5007.4	5010.0	5004.8	5007.4	5049.3	5125.4	5183.0	5219.7
20°	4889.4	4884.2	4920.9	4968.1	4975.9	4978.5	4991.7	5054.6	5159.4	5238.1	5274.8
22.5°	4826.5	4829.1	4871.1	4920.9	4931.4	4939.2	4965.4	5054.6	5185.7	5269.6	5285.3
25°	4755.7	4763.6	4808.1	4868.4	4881.5	4897.3	4941.8	5057.2	5193.5	5248.6	5222.4
27.5°	4679.7	4695.4	4753.1	4816.0	4831.7	4858.0	4915.6	5041.5	5156.8	5159.4	5062.4
30°	4601.0	4619.4	4687.5	4760.9	4787.2	4813.4	4884.2	5004.8	5067.7	4983.8	4813.4
32.5°	4511.9	4538.1	4606.3	4695.4	4726.9	4760.9	4831.7	4934.0	4910.4	4729.5	4485.7
35°	4399.2	4435.9	4514.5	4619.4	4648.2	4692.8	4742.6	4766.2	4661.3	4404.4	4129.1
37.5°	4260.2	4315.3	4407.0	4527.6	4559.1	4587.9	4601.0	4535.5	4325.8	4047.9	3762.1
40°	4100.3	4184.2	4283.8	4417.5	4449.0	4449.0	4401.8	4262.8	3998.0	3633.6	3316.4
42.5°	3906.3	4008.5	4134.4	4268.1	4299.5	4262.8	4150.1	3906.3	3604.8	3198.4	2862.9
45°	3670.3	3806.7	3948.2	4087.2	4102.9	4021.6	3819.8	3510.4	3138.1	2760.6	2440.8
47.5°	3389.8	3568.1	3722.8	3880.1	3859.1	3722.8	3452.7	3101.4	2708.2	2351.6	2094.7
50°	3075.2	3284.9	3458.0	3607.4	3562.8	3374.1	3056.9	2689.8	2299.2	1995.1	1782.7
52.5°	2739.6	2980.8	3153.9	3274.5	3214.2	2988.7	2640.0	2288.7	1968.9	1691.0	1549.4
55°	2391.0	2634.8	2813.0	2907.4	2828.8	2585.0	2241.5	1921.7	1620.2	1439.3	1355.4
57.5°	2052.8	2280.9	2448.6	2524.7	2425.0	2181.2	1864.0	1594.0	1376.4	1224.3	1182.4
60°	1727.7	1913.8	2073.7	2131.4	2023.9	1798.5	1525.8	1310.8	1150.9	1046.0	1025.1
62.5°	1426.2	1578.2	1704.1	1748.7	1643.8	1468.1	1232.2	1072.3	959.5	907.1	880.9
65°	1177.1	1266.3	1394.7	1386.9	1323.9	1161.4	988.4	875.6	802.2	768.1	752.4
67.5°	925.4	1006.7	1088.0	1098.5	1019.8	907.1	794.4	713.1	673.8	655.4	647.6
70°	715.7	776.0	825.8	812.7	770.8	700.0	629.2	584.6	568.9	561.0	561.0
72.5°	555.8	587.3	610.8	595.1	568.9	532.2	498.1	479.8	482.4	487.6	492.9
75°	430.0	437.8	443.1	427.3	422.1	398.5	395.9	398.5	414.2	430.0	437.8
77.5°	330.3	319.8	312.0	296.2	298.9	296.2	309.4	330.3	353.9	377.5	398.5
80°	254.3	230.7	212.4	196.6	204.5	217.6	243.8	275.3	306.7	333.0	359.2
82.5°	196.6	162.5	136.3	120.6	136.3	157.3	191.4	230.7	267.4	296.2	325.1
85°	152.1	112.7	81.3	65.5	81.3	112.7	149.4	194.0	233.3	264.8	293.6
87.5°	118.0	81.3	44.6	26.2	44.6	78.7	120.6	162.5	201.9	238.6	267.4
90°	94.4	55.1	21.0	5.2	23.6	55.1	94.4	136.3	175.7	215.0	243.8
92.5°	76.0	39.3	10.5	0.0	13.1	41.9	78.7	118.0	157.3	194.0	222.8
95°	62.9	31.5	7.9	0.0	10.5	31.5	62.9	102.2	138.9	175.7	199.2
97.5°	52.4	23.6	5.2	0.0	5.2	26.2	52.4	86.5	123.2	157.3	180.9
100°	44.6	21.0	5.2	0.0	5.2	21.0	44.6	76.0	107.5	138.9	162.5
102.5°	36.7	15.7	2.6	2.6	2.6	15.7	39.3	65.5	94.4	123.2	146.8
105°	34.1	13.1	2.6	2.6	2.6	13.1	34.1	57.7	83.9	110.1	131.1
107.5°	28.8	10.5	2.6	2.6	2.6	10.5	28.8	49.8	76.0	99.6	118.0
110°	23.6	10.5	2.6	2.6	2.6	10.5	23.6	44.6	65.5	86.5	104.9



TEST NUMBER: P290258

CATALOG NUMBER: 8SSRK-LC-12-L840-CD1-U

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	21.0	7.9	2.6	2.6	2.6	7.9	21.0	39.3	57.7	78.7	94.4
115°	18.4	7.9	2.6	2.6	2.6	7.9	18.4	34.1	49.8	68.2	83.9
117.5°	15.7	7.9	2.6	2.6	2.6	5.2	15.7	28.8	44.6	60.3	76.0
120°	13.1	5.2	2.6	2.6	2.6	5.2	13.1	26.2	39.3	52.4	65.5
122.5°	13.1	5.2	2.6	2.6	2.6	5.2	10.5	21.0	34.1	44.6	57.7
125°	10.5	5.2	2.6	2.6	2.6	2.6	10.5	18.4	28.8	39.3	49.8
127.5°	10.5	5.2	2.6	2.6	2.6	2.6	7.9	15.7	23.6	34.1	44.6
130°	7.9	5.2	2.6	2.6	2.6	2.6	5.2	13.1	21.0	28.8	36.7
132.5°	7.9	5.2	2.6	2.6	2.6	2.6	5.2	10.5	15.7	23.6	31.5
135°	7.9	2.6	2.6	2.6	2.6	2.6	2.6	7.9	13.1	18.4	23.6
137.5°	5.2	2.6	2.6	2.6	2.6	2.6	2.6	5.2	10.5	13.1	21.0
140°	5.2	2.6	2.6	2.6	2.6	2.6	2.6	5.2	7.9	10.5	15.7
142.5°	5.2	2.6	2.6	2.6	2.6	2.6	2.6	2.6	5.2	7.9	13.1
145°	5.2	2.6	2.6	5.2	5.2	2.6	2.6	5.2	5.2	7.9	10.5
147.5°	5.2	2.6	2.6	2.6	2.6	2.6	2.6	2.6	5.2	5.2	7.9
150°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	7.9
152.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
155°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
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: P290258

CATALOG NUMBER: 8SSRK-LC-12-L840-CD1-U

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	5075.5	5075.5	5075.5	5075.5	5075.5	5075.5	5075.5	5075.5	5075.5	5075.5	5075.5
2.5°	5101.8	5041.5	5072.9	5062.4	5072.9	5099.1	5096.5	5088.7	5093.9	5080.8	5067.7
5°	5091.3	5031.0	5062.4	5049.3	5062.4	5088.7	5083.4	5075.5	5083.4	5067.7	5054.6
7.5°	5078.2	5023.1	5059.8	5057.2	5080.8	5114.9	5117.5	5117.5	5135.8	5112.3	5101.8
10°	5078.2	5049.3	5099.1	5117.5	5177.8	5222.4	5227.6	5238.1	5269.6	5264.3	5238.1
12.5°	5133.2	5128.0	5201.4	5246.0	5301.0	5363.9	5398.0	5408.5	5429.5	5413.7	5403.3
15°	5204.0	5230.2	5311.5	5361.3	5421.6	5468.8	5476.7	5481.9	5497.6	5474.0	5455.7
17.5°	5298.4	5314.1	5379.7	5400.6	5440.0	5447.8	5437.3	5411.1	5411.1	5358.7	5343.0
20°	5343.0	5335.1	5361.3	5327.2	5311.5	5264.3	5219.7	5169.9	5167.3	5112.3	5107.0
22.5°	5303.6	5251.2	5196.1	5112.3	5075.5	5007.4	4947.1	4918.2	4899.9	4829.1	4810.8
25°	5164.7	5036.2	4955.0	4855.3	4766.2	4687.5	4629.9	4569.6	4511.9	4454.2	4428.0
27.5°	4923.5	4802.9	4671.8	4532.9	4409.6	4289.0	4192.0	4131.7	4076.7	4000.7	3961.3
30°	4627.2	4459.5	4315.3	4181.6	3979.7	3832.9	3751.6	3631.0	3589.1	3555.0	3481.6
32.5°	4278.6	4076.7	3880.1	3699.2	3492.1	3355.7	3248.2	3159.1	3132.9	3043.8	3022.8
35°	3893.2	3628.4	3405.5	3227.3	3077.8	2912.7	2823.5	2763.2	2710.8	2650.5	2640.0
37.5°	3439.6	3201.1	2949.4	2792.1	2674.1	2532.5	2464.4	2422.4	2398.8	2354.3	2346.4
40°	2983.5	2744.9	2571.9	2414.6	2341.1	2265.1	2215.3	2197.0	2186.5	2170.7	2155.0
42.5°	2569.2	2359.5	2236.3	2131.4	2100.0	2063.3	2050.1	2060.6	2050.1	2044.9	2042.3
45°	2217.9	2058.0	1971.5	1940.0	1932.2	1921.7	1932.2	1950.5	1953.1	1947.9	1947.9
47.5°	1898.1	1822.1	1785.4	1790.6	1803.7	1811.6	1829.9	1853.5	1858.8	1845.7	1850.9
50°	1688.4	1643.8	1635.9	1656.9	1685.7	1696.2	1717.2	1735.5	1732.9	1727.7	1722.4
52.5°	1491.7	1478.6	1499.6	1520.6	1552.0	1557.3	1565.1	1573.0	1570.4	1559.9	1554.6
55°	1326.6	1337.1	1355.4	1363.3	1386.9	1384.2	1386.9	1386.9	1376.4	1371.1	1363.3
57.5°	1177.1	1179.8	1190.2	1192.9	1206.0	1200.7	1198.1	1192.9	1177.1	1174.5	1166.6
60°	1025.1	1019.8	1043.4	1025.1	1035.6	1025.1	1022.5	1009.3	993.6	991.0	985.7
62.5°	880.9	870.4	886.1	878.3	883.5	873.0	867.8	852.0	838.9	836.3	833.7
65°	752.4	747.2	762.9	760.3	765.5	752.4	747.2	736.7	726.2	723.6	721.0
67.5°	644.9	658.0	665.9	665.9	671.1	668.5	655.4	652.8	650.2	639.7	639.7
70°	566.3	574.1	589.9	592.5	589.9	595.1	584.6	582.0	579.4	574.1	571.5
72.5°	503.4	513.8	529.6	532.2	529.6	529.6	524.3	521.7	521.7	513.8	513.8
75°	453.5	466.7	479.8	479.8	479.8	474.5	469.3	469.3	464.0	461.4	456.2
77.5°	411.6	427.3	437.8	435.2	432.6	427.3	427.3	419.5	411.6	411.6	406.4
80°	380.1	390.6	398.5	395.9	393.3	385.4	382.8	374.9	369.7	361.8	361.8
82.5°	346.1	359.2	364.4	361.8	356.5	348.7	346.1	340.8	335.6	333.0	327.7
85°	317.2	330.3	333.0	327.7	322.5	317.2	314.6	312.0	309.4	304.1	304.1
87.5°	288.4	301.5	301.5	298.9	293.6	291.0	288.4	285.8	283.1	280.5	277.9
90°	264.8	275.3	275.3	272.7	270.0	267.4	264.8	262.2	259.5	256.9	256.9
92.5°	241.2	251.7	251.7	249.1	246.4	243.8	243.8	241.2	238.6	236.0	233.3
95°	220.2	230.7	230.7	230.7	228.1	225.5	225.5	222.8	220.2	220.2	217.6
97.5°	199.2	209.7	209.7	209.7	207.1	204.5	204.5	201.9	201.9	201.9	199.2
100°	180.9	188.8	191.4	191.4	188.8	188.8	188.8	186.1	186.1	186.1	183.5
102.5°	162.5	170.4	175.7	175.7	175.7	173.0	173.0	173.0	173.0	173.0	170.4
105°	146.8	154.7	159.9	162.5	162.5	162.5	162.5	162.5	162.5	162.5	162.5
107.5°	133.7	141.6	146.8	149.4	152.1	152.1	154.7	154.7	154.7	154.7	154.7
110°	120.6	128.5	136.3	138.9	141.6	144.2	144.2	146.8	144.2	144.2	144.2



TEST NUMBER: P290258

CATALOG NUMBER: 8SSRK-LC-12-L840-CD1-U

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	107.5	118.0	123.2	128.5	131.1	133.7	136.3	136.3	136.3	136.3	136.3
115°	97.0	107.5	112.7	118.0	123.2	125.8	125.8	128.5	128.5	128.5	125.8
117.5°	86.5	97.0	102.2	107.5	110.1	115.4	118.0	118.0	118.0	118.0	115.4
120°	78.7	86.5	91.8	97.0	102.2	104.9	107.5	107.5	107.5	107.5	107.5
122.5°	68.2	76.0	83.9	89.1	91.8	94.4	97.0	97.0	97.0	97.0	97.0
125°	60.3	68.2	73.4	78.7	81.3	86.5	86.5	86.5	86.5	86.5	86.5
127.5°	52.4	60.3	65.5	70.8	73.4	76.0	78.7	78.7	78.7	78.7	78.7
130°	44.6	52.4	57.7	62.9	65.5	68.2	68.2	70.8	70.8	70.8	70.8
132.5°	39.3	44.6	49.8	55.1	57.7	60.3	60.3	62.9	62.9	62.9	62.9
135°	31.5	39.3	41.9	47.2	49.8	52.4	52.4	55.1	55.1	55.1	55.1
137.5°	26.2	31.5	36.7	41.9	44.6	44.6	47.2	47.2	49.8	49.8	49.8
140°	21.0	23.6	31.5	34.1	36.7	39.3	41.9	41.9	41.9	41.9	41.9
142.5°	15.7	21.0	23.6	28.8	31.5	34.1	36.7	36.7	36.7	36.7	36.7
145°	13.1	15.7	18.4	23.6	26.2	28.8	31.5	31.5	31.5	31.5	31.5
147.5°	10.5	13.1	15.7	18.4	21.0	23.6	26.2	26.2	26.2	26.2	26.2
150°	7.9	10.5	13.1	13.1	15.7	18.4	21.0	23.6	23.6	23.6	23.6
152.5°	7.9	7.9	10.5	10.5	13.1	15.7	18.4	18.4	18.4	18.4	18.4
155°	5.2	7.9	7.9	7.9	10.5	10.5	13.1	15.7	15.7	15.7	15.7
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: P290258

CATALOG NUMBER: 8SSRK-LC-12-L840-CD1-U

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	5075.5	5075.5	5075.5	5075.5	5075.5	5075.5	5075.5	5075.5	5075.5	5075.5	5075.5
2.5°	5075.5	5086.0	5080.8	5072.9	5070.3	5083.4	5070.3	5010.0	5033.6	5036.2	5054.6
5°	5067.7	5075.5	5070.3	5065.1	5057.2	5072.9	5057.2	4994.3	5017.9	5020.5	5038.8
7.5°	5120.1	5122.7	5122.7	5109.6	5088.7	5096.5	5075.5	5004.8	5017.9	5017.9	5031.0
10°	5251.2	5256.4	5264.3	5230.2	5204.0	5183.0	5154.2	5067.7	5065.1	5044.1	5044.1
12.5°	5421.6	5408.5	5395.4	5379.7	5358.7	5332.5	5290.5	5188.3	5154.2	5120.1	5086.0
15°	5471.4	5466.2	5463.6	5455.7	5442.6	5434.7	5403.3	5301.0	5251.2	5209.3	5149.0
17.5°	5340.3	5350.8	5384.9	5387.5	5403.3	5434.7	5429.5	5358.7	5314.1	5295.8	5222.4
20°	5104.4	5107.0	5149.0	5167.3	5235.5	5287.9	5327.2	5319.4	5308.9	5329.9	5274.8
22.5°	4821.2	4839.6	4884.2	4913.0	4978.5	5038.8	5101.8	5135.8	5190.9	5277.4	5266.9
25°	4435.9	4459.5	4522.4	4569.6	4661.3	4753.1	4837.0	4897.3	4962.8	5128.0	5183.0
27.5°	3974.4	4011.2	4092.4	4139.6	4268.1	4362.5	4483.1	4601.0	4692.8	4881.5	4994.3
30°	3489.4	3520.9	3607.4	3673.0	3783.1	3911.5	4063.6	4231.4	4383.4	4574.8	4716.4
32.5°	3035.9	3070.0	3140.8	3198.4	3321.7	3429.1	3596.9	3804.0	3945.6	4210.4	4399.2
35°	2640.0	2671.5	2721.3	2771.1	2873.3	2983.5	3127.6	3329.5	3510.4	3785.7	4024.3
37.5°	2362.1	2367.4	2396.2	2425.0	2501.1	2585.0	2697.7	2876.0	3043.8	3340.0	3602.2
40°	2162.9	2162.9	2178.6	2186.5	2220.6	2270.4	2341.1	2480.1	2619.0	2844.5	3164.4
42.5°	2039.7	2034.4	2034.4	2037.0	2034.4	2058.0	2100.0	2165.5	2288.7	2474.9	2723.9
45°	1947.9	1937.4	1929.5	1911.2	1900.7	1900.7	1903.3	1926.9	1997.7	2118.3	2320.2
47.5°	1845.7	1843.0	1829.9	1809.0	1790.6	1777.5	1756.5	1748.7	1769.6	1837.8	1974.1
50°	1727.7	1714.6	1701.5	1685.7	1664.8	1651.7	1612.3	1614.9	1596.6	1628.1	1698.8
52.5°	1554.6	1544.2	1538.9	1525.8	1517.9	1512.7	1481.2	1449.8	1441.9	1447.2	1473.4
55°	1363.3	1368.5	1347.5	1358.0	1355.4	1331.8	1318.7	1295.1	1287.2	1284.6	1297.7
57.5°	1164.0	1169.3	1156.2	1166.6	1166.6	1153.5	1145.7	1145.7	1127.3	1111.6	1129.9
60°	983.1	972.6	980.5	993.6	993.6	985.7	980.5	980.5	967.4	962.2	975.3
62.5°	836.3	825.8	833.7	846.8	849.4	844.2	838.9	838.9	823.2	823.2	833.7
65°	723.6	726.2	723.6	734.1	734.1	736.7	731.4	726.2	707.9	715.7	713.1
67.5°	642.3	639.7	639.7	650.2	647.6	652.8	647.6	639.7	626.6	616.1	613.5
70°	574.1	571.5	571.5	576.8	579.4	579.4	576.8	571.5	553.2	542.7	534.8
72.5°	513.8	511.2	513.8	516.5	519.1	521.7	519.1	513.8	498.1	485.0	471.9
75°	458.8	456.2	464.0	464.0	466.7	466.7	469.3	466.7	453.5	437.8	422.1
77.5°	403.7	406.4	414.2	416.8	422.1	424.7	427.3	427.3	414.2	401.1	380.1
80°	359.2	364.4	369.7	372.3	377.5	385.4	388.0	390.6	380.1	367.0	343.4
82.5°	327.7	330.3	335.6	338.2	346.1	348.7	351.3	356.5	351.3	338.2	312.0
85°	301.5	304.1	309.4	309.4	314.6	319.8	322.5	325.1	322.5	309.4	283.1
87.5°	277.9	280.5	283.1	285.8	288.4	291.0	293.6	296.2	293.6	280.5	256.9
90°	256.9	256.9	259.5	259.5	262.2	264.8	270.0	270.0	267.4	256.9	233.3
92.5°	233.3	236.0	236.0	238.6	241.2	243.8	246.4	246.4	243.8	233.3	212.4
95°	217.6	217.6	220.2	220.2	222.8	222.8	225.5	225.5	222.8	212.4	191.4
97.5°	199.2	199.2	199.2	199.2	201.9	201.9	204.5	204.5	201.9	191.4	173.0
100°	183.5	183.5	183.5	183.5	183.5	186.1	186.1	186.1	183.5	173.0	154.7
102.5°	170.4	170.4	170.4	170.4	170.4	170.4	170.4	170.4	165.2	157.3	138.9
105°	162.5	162.5	162.5	159.9	159.9	159.9	157.3	157.3	149.4	141.6	125.8
107.5°	152.1	152.1	152.1	149.4	149.4	146.8	144.2	144.2	136.3	128.5	112.7
110°	144.2	144.2	144.2	141.6	138.9	136.3	133.7	131.1	123.2	112.7	99.6





TEST NUMBER: P290258

CATALOG NUMBER: 8SSRK-LC-12-L840-CD1-U

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	136.3	136.3	133.7	133.7	131.1	128.5	123.2	120.6	112.7	102.2	89.1
115°	125.8	125.8	125.8	123.2	120.6	118.0	115.4	110.1	102.2	91.8	78.7
117.5°	115.4	115.4	115.4	112.7	110.1	107.5	104.9	99.6	91.8	81.3	70.8
120°	104.9	104.9	104.9	102.2	99.6	97.0	94.4	89.1	81.3	73.4	60.3
122.5°	97.0	97.0	94.4	91.8	89.1	86.5	83.9	78.7	73.4	62.9	52.4
125°	86.5	86.5	83.9	83.9	81.3	78.7	76.0	70.8	62.9	55.1	47.2
127.5°	78.7	76.0	76.0	76.0	73.4	70.8	65.5	62.9	55.1	47.2	39.3
130°	68.2	68.2	68.2	65.5	65.5	62.9	57.7	52.4	47.2	41.9	34.1
132.5°	60.3	60.3	60.3	60.3	57.7	55.1	49.8	47.2	41.9	34.1	28.8
135°	55.1	55.1	52.4	52.4	49.8	47.2	44.6	39.3	34.1	28.8	23.6
137.5°	47.2	47.2	47.2	44.6	44.6	41.9	36.7	34.1	31.5	26.2	21.0
140°	41.9	41.9	39.3	39.3	36.7	36.7	34.1	28.8	26.2	21.0	18.4
142.5°	36.7	36.7	34.1	34.1	31.5	31.5	28.8	26.2	21.0	18.4	13.1
145°	31.5	31.5	28.8	28.8	28.8	26.2	23.6	21.0	18.4	15.7	13.1
147.5°	26.2	26.2	26.2	23.6	23.6	21.0	21.0	18.4	15.7	13.1	10.5
150°	23.6	23.6	21.0	21.0	21.0	18.4	15.7	15.7	13.1	10.5	7.9
152.5°	18.4	18.4	18.4	18.4	15.7	15.7	13.1	13.1	10.5	7.9	7.9
155°	15.7	15.7	15.7	13.1	13.1	13.1	10.5	10.5	7.9	7.9	5.2
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: P290258

CATALOG NUMBER: 8SSRK-LC-12-L840-CD1-U

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	5075.5	5075.5	5075.5	5075.5	5075.5	5075.5	5075.5
2.5°	5046.7	5044.1	5067.7	5065.1	5033.6	5080.8	5112.3
5°	5033.6	5031.0	5052.0	5057.2	5023.1	5072.9	5107.0
7.5°	5023.1	5020.5	5044.1	5052.0	5017.9	5062.4	5099.1
10°	5025.7	5012.6	5033.6	5038.8	5007.4	5054.6	5086.0
12.5°	5044.1	5012.6	5020.5	5020.5	4991.7	5033.6	5067.7
15°	5088.7	5023.1	5012.6	5004.8	4968.1	5007.4	5041.5
17.5°	5138.5	5049.3	5012.6	4986.4	4941.8	4975.9	5012.6
20°	5188.3	5078.2	5017.9	4975.9	4915.6	4947.1	4973.3
22.5°	5211.9	5104.4	5023.1	4960.2	4884.2	4899.9	4928.7
25°	5180.4	5093.9	5012.6	4936.6	4844.8	4847.5	4871.1
27.5°	5065.1	5041.5	4989.0	4913.0	4813.4	4800.3	4818.6
30°	4868.4	4934.0	4936.6	4881.5	4776.7	4750.5	4758.3
32.5°	4593.2	4740.0	4826.5	4816.0	4724.2	4687.5	4692.8
35°	4275.9	4459.5	4648.2	4711.1	4645.6	4616.8	4606.3
37.5°	3895.8	4142.2	4393.9	4548.6	4538.1	4519.8	4509.3
40°	3476.3	3772.6	4071.5	4317.9	4393.9	4393.9	4399.2
42.5°	3028.0	3374.1	3701.8	4013.8	4192.0	4231.4	4247.1
45°	2595.5	2944.1	3300.7	3659.8	3898.4	4021.6	4066.2
47.5°	2202.2	2553.5	2891.7	3284.9	3602.2	3762.1	3832.9
50°	1866.6	2128.8	2485.3	2876.0	3222.0	3418.7	3557.6
52.5°	1588.7	1793.2	2105.2	2469.6	2818.3	3088.3	3216.8
55°	1355.4	1494.4	1759.1	2073.7	2406.7	2687.2	2836.6
57.5°	1158.8	1268.9	1449.8	1711.9	1992.5	2270.4	2430.3
60°	985.7	1061.8	1185.0	1392.1	1630.7	1869.2	2023.9
62.5°	836.3	886.1	967.4	1119.5	1305.6	1491.7	1635.9
65°	721.0	741.9	786.5	880.9	1022.5	1164.0	1287.2
67.5°	608.2	621.3	655.4	713.1	783.9	886.1	967.4
70°	524.3	524.3	527.0	561.0	597.7	663.3	721.0
72.5°	456.2	448.3	432.6	440.4	448.3	485.0	521.7
75°	401.1	382.8	356.5	346.1	340.8	346.1	367.0
77.5°	353.9	327.7	296.2	270.0	249.1	241.2	259.5
80°	314.6	283.1	246.4	212.4	178.3	159.9	167.8
82.5°	283.1	243.8	204.5	165.2	125.8	99.6	99.6
85°	249.1	212.4	170.4	128.5	89.1	55.1	49.8
87.5°	225.5	186.1	141.6	102.2	62.9	28.8	15.7
90°	201.9	162.5	120.6	81.3	44.6	13.1	0.0
92.5°	180.9	144.2	104.9	65.5	31.5	7.9	0.0
95°	162.5	128.5	89.1	55.1	26.2	5.2	2.6
97.5°	144.2	112.7	78.7	44.6	18.4	5.2	2.6
100°	131.1	99.6	68.2	36.7	15.7	2.6	2.6
102.5°	115.4	89.1	57.7	31.5	13.1	2.6	2.6
105°	102.2	78.7	49.8	26.2	10.5	2.6	2.6
107.5°	91.8	68.2	44.6	23.6	10.5	2.6	2.6
110°	81.3	60.3	39.3	21.0	7.9	2.6	2.6



TEST NUMBER: P290258

CATALOG NUMBER: 8SSRK-LC-12-L840-CD1-U

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	73.4	52.4	34.1	18.4	5.2	2.6	2.6
115°	62.9	47.2	28.8	15.7	5.2	2.6	2.6
117.5°	55.1	39.3	26.2	13.1	5.2	2.6	2.6
120°	47.2	34.1	21.0	10.5	2.6	2.6	2.6
122.5°	41.9	28.8	18.4	10.5	2.6	2.6	2.6
125°	36.7	26.2	15.7	7.9	2.6	2.6	2.6
127.5°	31.5	21.0	13.1	5.2	2.6	2.6	2.6
130°	26.2	18.4	10.5	5.2	2.6	2.6	2.6
132.5°	21.0	15.7	10.5	5.2	2.6	2.6	2.6
135°	18.4	13.1	7.9	5.2	2.6	2.6	2.6
137.5°	15.7	10.5	5.2	5.2	5.2	2.6	2.6
140°	13.1	7.9	5.2	5.2	5.2	5.2	2.6
142.5°	10.5	7.9	5.2	5.2	5.2	5.2	2.6
145°	7.9	5.2	5.2	5.2	5.2	5.2	2.6
147.5°	7.9	5.2	5.2	5.2	5.2	5.2	2.6
150°	5.2	5.2	5.2	5.2	5.2	5.2	5.2
152.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2
155°	5.2	5.2	5.2	5.2	5.2	5.2	5.2
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)