

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: P290218

Luminaire Tested: **8SSRK-LC-40-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: P290218
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-40-L840-CD1-U
Description: 4000 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: 4291.6 lumens
Efficiency: N/A
Efficacy: 158.9 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

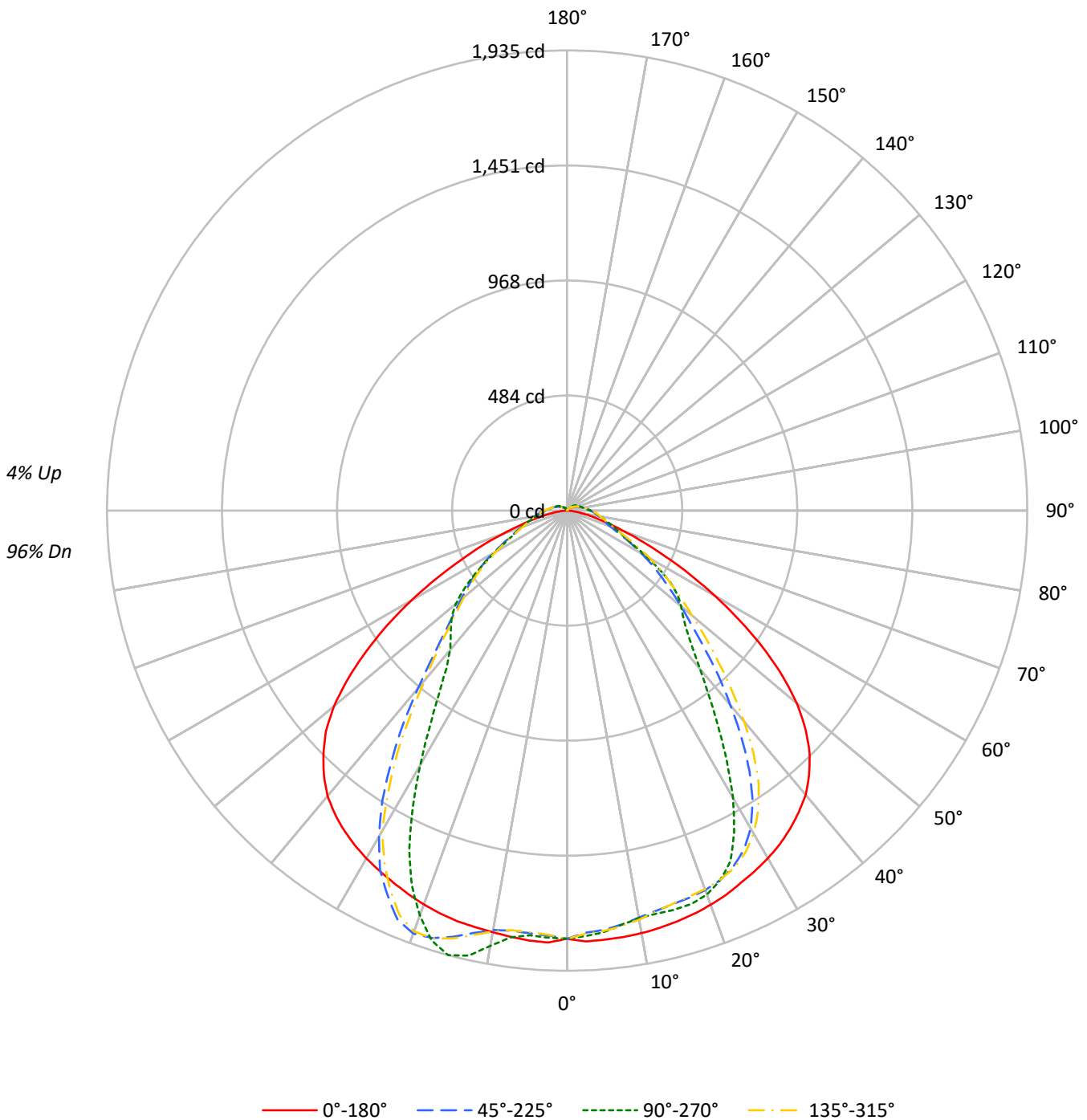
Input Watts (W): 27.0151
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	58131	58131	58131	58131
5°	58609	42712	58729	43048
10°	58933	33453	58812	35724
15°	59445	28043	59416	31223
20°	60162	24045	60097	25346
25°	60965	20212	60933	19530
30°	62181	15705	62214	13914
35°	63479	11476	63658	9712
40°	64642	8395	64911	7396
45°	64517	6480	64852	6310
50°	61853	5444	62721	5322
55°	55005	4461	56378	4055
60°	44749	3105	47124	2848
65°	33396	2152	35978	2040
70°	22835	1669	25746	1596
75°	15072	1340	17550	1267
80°	9895	1095	11592	1007
85°	5297	937	6942	856



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.0	4.0
10°-20°	508.8	11.9
20°-30°	773.5	18.0
30°-40°	829.8	19.3
40°-50°	720.2	16.8
50°-60°	533.7	12.4
60°-70°	305.8	7.1
70°-80°	169.3	3.9
80°-90°	103.1	2.4
90°-100°	67.1	1.6
100°-110°	44.9	1.0
110°-120°	30.3	0.7
120°-130°	18.6	0.4
130°-140°	9.8	0.2
140°-150°	4.5	0.1
150°-160°	1.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1453.3	33.9
0°-40°	2283.0	53.2
0°-60°	3536.9	82.4
0°-90°	4115.1	95.9
90°-120°	142.3	3.3
90°-150°	175.1	4.1
90°-180°	176.0	4.1
0°-180°	4291.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1800	1800	1800	1800	1800	
5°	1811	1779	1815	1793	1811	173
15°	1788	1738	1787	1935	1788	506
25°	1728	1625	1727	1570	1728	799
35°	1634	1106	1638	936	1634	1023
45°	1442	710	1450	691	1442	1104
55°	1006	532	1031	484	1006	892
65°	457	270	492	256	457	460
75°	130	171	152	162	130	149
85°	18	118	23	108	18	23
90°	0	99	2	91	0	1
95°	1	81	0	77	1	1
105°	1	60	1	58	1	1
115°	1	49	1	45	1	1
125°	1	37	1	31	1	1
135°	1	23	1	20	1	1
145°	1	14	2	11	1	1
155°	2	6	2	6	2	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°	1800.2	1800.2	1800.2	1800.2	1800.2	1800.2	1800.2	1800.2	1800.2	1800.2	1800.2
2.5°	1813.2	1808.6	1806.7	1803.0	1805.8	1817.0	1809.5	1797.4	1798.4	1777.0	1788.1
5°	1811.4	1805.8	1803.0	1799.3	1801.1	1811.4	1803.9	1791.8	1790.9	1769.5	1779.8
7.5°	1808.6	1803.0	1798.4	1795.6	1796.5	1804.9	1795.6	1781.6	1778.8	1755.6	1764.9
10°	1803.9	1800.2	1793.7	1789.1	1788.1	1797.4	1782.5	1768.6	1762.1	1737.9	1747.2
12.5°	1797.4	1791.8	1785.3	1777.0	1776.0	1781.6	1769.5	1750.0	1743.5	1724.0	1734.2
15°	1788.1	1781.6	1774.2	1764.9	1760.2	1764.0	1749.1	1731.4	1730.5	1713.7	1727.7
17.5°	1777.9	1768.6	1760.2	1747.2	1740.7	1743.5	1731.4	1715.6	1717.5	1707.2	1723.0
20°	1764.0	1753.7	1740.7	1727.7	1718.4	1723.0	1714.7	1702.6	1705.4	1697.9	1711.9
22.5°	1748.1	1734.2	1718.4	1703.5	1696.1	1702.6	1696.1	1685.8	1686.8	1682.1	1690.5
25°	1727.7	1711.9	1693.3	1674.7	1671.0	1675.6	1671.9	1663.5	1659.8	1652.4	1656.1
27.5°	1709.1	1691.4	1668.2	1648.6	1642.1	1651.4	1643.1	1629.1	1618.9	1608.7	1601.2
30°	1687.7	1666.3	1640.3	1618.0	1612.4	1616.1	1604.0	1582.6	1555.7	1542.6	1522.2
32.5°	1664.5	1636.6	1604.0	1578.9	1575.2	1572.4	1550.1	1519.4	1477.6	1451.5	1419.9
35°	1633.8	1603.1	1564.0	1533.3	1527.8	1512.0	1475.7	1434.8	1380.8	1336.2	1282.3
37.5°	1599.4	1563.1	1522.2	1481.3	1465.5	1433.9	1382.7	1339.9	1258.1	1204.2	1139.1
40°	1560.3	1516.6	1466.4	1417.1	1391.1	1339.9	1281.4	1218.1	1139.1	1066.6	1011.7
42.5°	1506.4	1459.9	1400.4	1345.5	1300.9	1233.0	1164.2	1074.9	1002.4	941.0	885.2
45°	1442.2	1386.4	1317.6	1251.6	1194.9	1114.0	1033.1	943.8	883.4	811.8	773.6
47.5°	1359.5	1299.0	1225.6	1152.1	1077.7	988.4	903.8	818.3	757.8	706.7	678.8
50°	1261.8	1206.0	1125.1	1037.7	955.9	862.9	778.3	714.1	655.6	623.9	602.6
52.5°	1140.9	1088.9	1006.1	911.3	832.2	741.1	663.9	611.9	570.0	546.8	539.3
55°	1006.1	960.5	878.7	790.4	709.5	625.8	567.2	521.7	494.7	480.7	481.7
57.5°	862.0	826.6	749.5	670.4	594.2	531.0	478.0	441.7	421.2	420.3	423.1
60°	717.9	691.8	624.9	557.0	490.0	438.9	399.8	374.7	361.7	362.6	361.7
62.5°	580.2	556.1	507.7	451.9	398.9	364.5	329.2	318.9	307.8	306.9	306.9
65°	456.6	438.0	398.9	358.9	318.9	296.6	279.0	266.9	258.5	256.6	257.6
67.5°	343.1	335.7	308.7	281.7	256.6	242.7	227.8	225.0	218.5	218.5	220.4
70°	255.7	250.1	235.3	219.4	209.2	199.9	192.5	192.5	191.6	190.6	195.3
72.5°	185.0	186.0	181.3	169.2	168.3	166.4	164.6	167.4	168.3	171.1	176.7
75°	130.2	133.0	133.0	131.1	134.8	139.5	142.3	146.9	152.5	156.2	162.7
77.5°	92.1	92.1	96.7	102.3	109.7	118.1	125.5	132.0	139.5	144.1	149.7
80°	59.5	62.3	69.7	80.0	90.2	101.4	111.6	120.0	127.4	134.8	138.5
82.5°	35.3	40.0	49.3	62.3	75.3	89.3	99.5	109.7	118.1	125.5	128.3
85°	17.7	24.2	35.3	49.3	63.2	78.1	91.1	100.4	109.7	116.2	120.0
87.5°	5.6	13.0	25.1	38.1	53.0	67.9	81.8	92.1	100.4	106.0	109.7
90°	0.0	6.5	17.7	31.6	45.6	60.4	73.5	84.6	93.0	97.6	100.4
92.5°	0.0	3.7	13.9	26.0	39.1	53.9	67.0	77.2	84.6	89.3	91.1
95°	0.9	2.8	10.2	21.4	34.4	48.4	60.4	69.7	77.2	81.8	82.8
97.5°	0.9	1.9	8.4	17.7	29.8	42.8	54.9	64.2	69.7	74.4	75.3
100°	0.9	1.9	6.5	15.8	26.0	38.1	49.3	57.7	64.2	67.9	68.8
102.5°	0.9	0.9	5.6	13.0	23.2	33.5	43.7	52.1	57.7	61.4	63.2
105°	0.9	0.9	4.6	11.2	20.5	29.8	39.1	47.4	52.1	55.8	57.7
107.5°	0.9	0.9	3.7	9.3	17.7	26.0	35.3	41.8	47.4	51.1	53.0
110°	0.9	0.9	2.8	8.4	14.9	23.2	30.7	37.2	42.8	46.5	48.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	0.9	0.9	2.8	7.4	13.0	20.5	27.0	33.5	38.1	41.8	44.6
115°	0.9	0.9	2.8	6.5	12.1	17.7	24.2	29.8	34.4	38.1	40.9
117.5°	0.9	0.9	2.8	5.6	10.2	15.8	21.4	27.0	30.7	34.4	37.2
120°	0.9	0.9	1.9	4.6	9.3	13.9	18.6	23.2	27.9	31.6	34.4
122.5°	0.9	0.9	1.9	4.6	7.4	12.1	16.7	20.5	25.1	27.9	30.7
125°	0.9	0.9	1.9	3.7	6.5	11.2	14.9	18.6	21.4	25.1	27.9
127.5°	0.9	0.9	1.9	3.7	5.6	9.3	13.0	16.7	19.5	22.3	24.2
130°	0.9	0.9	1.9	2.8	4.6	7.4	11.2	13.9	17.7	19.5	21.4
132.5°	0.9	0.9	0.9	2.8	3.7	5.6	8.4	12.1	14.9	17.7	18.6
135°	0.9	0.9	0.9	1.9	3.7	4.6	6.5	9.3	12.1	14.9	16.7
137.5°	0.9	0.9	0.9	1.9	2.8	4.6	5.6	7.4	10.2	12.1	14.9
140°	0.9	0.9	0.9	1.9	2.8	3.7	4.6	6.5	8.4	10.2	12.1
142.5°	0.9	0.9	0.9	1.9	1.9	2.8	3.7	5.6	6.5	8.4	10.2
145°	0.9	0.9	0.9	1.9	1.9	2.8	3.7	4.6	5.6	6.5	8.4
147.5°	0.9	0.9	0.9	1.9	1.9	1.9	2.8	3.7	4.6	5.6	6.5
150°	1.9	1.9	1.9	1.9	1.9	1.9	2.8	2.8	3.7	4.6	5.6
152.5°	1.9	1.9	1.9	1.9	1.9	1.9	2.8	2.8	2.8	3.7	4.6
155°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.8	2.8	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



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1800.2	1800.2	1800.2	1800.2	1800.2	1800.2	1800.2	1800.2	1800.2	1800.2	1800.2
2.5°	1784.4	1786.3	1797.4	1796.5	1794.6	1792.8	1792.8	1790.9	1792.8	1797.4	1795.6
5°	1775.1	1777.9	1786.3	1785.3	1783.5	1782.5	1781.6	1778.8	1780.7	1787.2	1785.3
7.5°	1758.4	1761.2	1768.6	1764.9	1762.1	1764.0	1759.3	1756.5	1760.2	1766.7	1765.8
10°	1740.7	1742.6	1751.9	1750.0	1745.4	1746.3	1741.6	1739.8	1744.4	1748.1	1749.1
12.5°	1728.6	1735.1	1743.5	1742.6	1741.6	1742.6	1737.9	1736.1	1738.8	1742.6	1741.6
15°	1725.8	1734.2	1743.5	1743.5	1744.4	1745.4	1740.7	1737.9	1740.7	1743.5	1742.6
17.5°	1723.0	1733.3	1741.6	1740.7	1741.6	1743.5	1736.1	1734.2	1737.9	1741.6	1739.8
20°	1713.7	1723.0	1728.6	1726.8	1726.8	1727.7	1718.4	1718.4	1724.0	1726.8	1727.7
22.5°	1687.7	1698.9	1698.9	1694.2	1694.2	1690.5	1687.7	1682.1	1688.6	1693.3	1697.0
25°	1648.6	1653.3	1647.7	1637.5	1631.9	1627.3	1614.2	1625.4	1625.4	1639.4	1644.0
27.5°	1593.8	1583.6	1567.8	1546.4	1541.7	1526.8	1518.5	1521.3	1525.9	1545.4	1560.3
30°	1503.6	1472.9	1445.9	1436.6	1416.2	1401.3	1386.4	1393.9	1402.2	1413.4	1444.1
32.5°	1384.6	1354.8	1311.1	1295.3	1273.9	1255.3	1237.6	1248.8	1263.7	1271.1	1304.6
35°	1247.9	1212.5	1172.6	1145.6	1123.3	1113.0	1090.7	1106.5	1122.3	1127.9	1156.8
37.5°	1102.8	1066.6	1031.2	1008.0	986.6	980.1	965.2	976.4	988.4	996.8	1021.0
40°	965.2	931.7	904.8	889.0	874.1	868.5	862.9	867.6	876.9	883.4	902.0
42.5°	847.1	820.1	801.5	792.2	782.0	774.6	775.5	777.4	782.0	796.0	804.3
45°	743.9	728.1	716.0	714.1	707.6	706.7	705.8	709.5	712.3	720.6	727.2
47.5°	661.1	654.6	651.8	655.6	658.3	654.6	656.5	661.1	666.7	666.7	665.8
50°	596.0	597.9	601.6	610.0	615.6	617.4	619.3	624.9	625.8	627.7	624.9
52.5°	543.0	544.9	555.1	568.1	574.7	577.4	581.2	586.7	586.7	588.6	584.9
55°	489.1	491.9	502.1	515.1	520.7	524.4	528.2	531.9	534.7	538.4	535.6
57.5°	429.6	438.0	444.5	448.2	451.9	454.7	457.5	458.4	464.0	464.9	469.6
60°	366.4	368.2	374.7	373.8	371.0	378.5	374.7	381.2	387.8	396.1	397.1
62.5°	305.9	306.9	311.5	309.6	313.4	312.4	315.2	315.2	319.9	323.6	328.2
65°	258.5	259.4	263.2	263.2	262.2	265.0	267.8	269.7	269.7	272.5	276.2
67.5°	223.2	226.0	229.7	231.5	233.4	233.4	236.2	237.1	239.0	239.9	241.8
70°	199.0	202.7	206.4	208.3	209.2	211.1	212.0	212.0	213.9	214.8	216.7
72.5°	181.3	185.0	187.8	187.8	189.7	190.6	190.6	191.6	192.5	194.3	196.2
75°	166.4	169.2	171.1	170.2	170.2	170.2	171.1	171.1	173.0	174.8	176.7
77.5°	152.5	155.3	155.3	153.4	153.4	153.4	153.4	154.4	155.3	157.1	159.0
80°	142.3	142.3	141.3	141.3	139.5	138.5	138.5	139.5	139.5	141.3	144.1
82.5°	131.1	131.1	130.2	129.3	128.3	127.4	127.4	128.3	129.3	130.2	132.0
85°	120.9	120.9	119.0	119.0	118.1	118.1	118.1	118.1	119.0	120.0	121.8
87.5°	110.7	109.7	108.8	107.9	107.9	107.9	107.9	107.9	108.8	110.7	111.6
90°	100.4	99.5	98.6	98.6	97.6	97.6	98.6	98.6	99.5	100.4	101.4
92.5°	91.1	90.2	89.3	89.3	88.3	88.3	89.3	88.3	90.2	90.2	91.1
95°	82.8	81.8	80.9	80.9	80.9	80.9	80.9	80.9	81.8	81.8	82.8
97.5°	75.3	74.4	73.5	73.5	74.4	73.5	74.4	74.4	74.4	75.3	76.2
100°	68.8	67.9	67.9	68.8	67.9	67.9	68.8	68.8	68.8	68.8	69.7
102.5°	63.2	63.2	63.2	63.2	63.2	63.2	64.2	64.2	64.2	64.2	65.1
105°	57.7	58.6	58.6	58.6	59.5	59.5	59.5	60.4	60.4	60.4	60.4
107.5°	53.9	54.9	54.9	55.8	55.8	56.7	56.7	56.7	56.7	57.7	57.7
110°	50.2	51.1	52.1	53.0	53.0	53.9	53.9	53.9	53.9	53.9	53.9



TEST NUMBER: P290218

CATALOG NUMBER: 8SSRK-LC-40-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	46.5	47.4	48.4	50.2	51.1	51.1	51.1	51.1	52.1	52.1	51.1
115°	42.8	44.6	45.6	47.4	48.4	48.4	49.3	49.3	49.3	49.3	48.4
117.5°	39.1	41.8	42.8	44.6	45.6	45.6	46.5	46.5	46.5	46.5	45.6
120°	36.3	38.1	40.0	40.9	41.8	42.8	42.8	43.7	43.7	43.7	42.8
122.5°	33.5	35.3	37.2	38.1	39.1	40.0	40.0	40.0	40.0	40.0	40.0
125°	29.8	31.6	33.5	34.4	35.3	36.3	36.3	37.2	37.2	37.2	36.3
127.5°	27.0	28.8	29.8	31.6	32.5	32.5	33.5	33.5	33.5	33.5	32.5
130°	23.2	25.1	27.0	27.9	28.8	28.8	29.8	29.8	29.8	29.8	29.8
132.5°	20.5	22.3	23.2	25.1	25.1	26.0	26.0	27.0	27.0	27.0	26.0
135°	18.6	19.5	20.5	22.3	22.3	23.2	23.2	23.2	23.2	23.2	23.2
137.5°	16.7	17.7	18.6	19.5	19.5	20.5	20.5	20.5	20.5	21.4	20.5
140°	13.9	15.8	16.7	16.7	17.7	17.7	17.7	18.6	18.6	18.6	17.7
142.5°	12.1	13.0	13.9	14.9	15.8	15.8	15.8	15.8	16.7	15.8	15.8
145°	9.3	11.2	12.1	13.0	13.9	13.9	13.9	13.9	13.9	13.9	13.9
147.5°	7.4	8.4	10.2	11.2	11.2	12.1	12.1	12.1	12.1	12.1	12.1
150°	6.5	6.5	8.4	9.3	10.2	10.2	10.2	10.2	10.2	10.2	10.2
152.5°	4.6	5.6	6.5	7.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
155°	4.6	4.6	5.6	5.6	6.5	6.5	6.5	6.5	7.4	6.5	6.5
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



TEST NUMBER: P290218

CATALOG NUMBER: 8SSRK-LC-40-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1800.2	1800.2	1800.2	1800.2	1800.2	1800.2	1800.2	1800.2	1800.2	1800.2	1800.2
2.5°	1792.8	1791.8	1795.6	1791.8	1773.3	1780.7	1777.9	1788.1	1789.1	1791.8	1801.1
5°	1783.5	1783.5	1788.1	1784.4	1766.7	1774.2	1773.3	1783.5	1785.3	1787.2	1797.4
7.5°	1764.9	1765.8	1772.3	1769.5	1750.9	1762.1	1761.2	1773.3	1777.0	1780.7	1790.0
10°	1747.2	1746.3	1753.7	1750.9	1733.3	1746.3	1745.4	1757.4	1763.0	1769.5	1780.7
12.5°	1737.9	1735.1	1737.9	1735.1	1715.6	1725.8	1726.8	1740.7	1747.2	1755.6	1768.6
15°	1737.9	1733.3	1733.3	1727.7	1705.4	1711.9	1712.8	1722.1	1730.5	1738.8	1754.7
17.5°	1736.1	1731.4	1730.5	1725.8	1701.7	1701.7	1700.7	1707.2	1711.9	1720.2	1737.0
20°	1725.8	1724.0	1723.0	1720.2	1697.9	1694.2	1692.4	1692.4	1695.1	1697.9	1714.7
22.5°	1698.9	1700.7	1702.6	1704.4	1686.8	1680.3	1681.2	1679.3	1676.5	1676.5	1690.5
25°	1648.6	1657.9	1665.4	1673.8	1663.5	1658.9	1664.5	1661.7	1657.0	1653.3	1665.4
27.5°	1568.7	1588.2	1604.0	1624.5	1625.4	1621.7	1636.6	1634.7	1633.8	1628.2	1637.5
30°	1458.0	1488.7	1510.1	1539.9	1565.0	1568.7	1593.8	1597.5	1601.2	1598.4	1607.7
32.5°	1324.1	1366.0	1402.2	1448.7	1472.9	1494.3	1529.6	1544.5	1559.4	1564.0	1574.3
35°	1178.1	1225.6	1268.3	1319.5	1357.6	1404.1	1446.9	1469.2	1502.7	1515.7	1530.6
37.5°	1039.6	1084.2	1126.1	1177.2	1238.6	1286.9	1339.9	1390.1	1435.7	1454.3	1476.6
40°	916.8	953.1	993.1	1037.7	1093.5	1156.8	1214.4	1284.1	1338.1	1375.3	1407.8
42.5°	823.9	841.5	875.9	915.9	960.5	1024.7	1083.3	1161.4	1226.5	1279.5	1333.4
45°	741.1	749.5	774.6	796.0	841.5	898.2	960.5	1036.8	1104.7	1172.6	1237.6
47.5°	670.4	680.7	692.7	705.8	738.3	785.7	839.7	908.5	976.4	1055.4	1129.8
50°	623.0	625.8	627.7	633.2	652.8	685.3	729.0	787.6	852.7	937.3	1016.3
52.5°	581.2	581.2	575.6	572.8	580.2	600.7	625.8	667.6	734.6	812.7	896.4
55°	536.5	528.2	526.3	517.0	518.9	528.2	540.3	572.8	627.7	694.6	775.5
57.5°	474.2	470.5	470.5	466.8	459.4	464.0	466.8	490.0	529.1	586.7	657.4
60°	402.6	400.8	405.4	406.4	399.8	402.6	401.7	415.6	443.5	490.0	548.6
62.5°	331.0	339.4	340.3	344.0	340.3	339.4	344.0	356.1	370.1	405.4	451.0
65°	278.0	282.7	283.6	288.3	286.4	286.4	290.1	299.4	307.8	332.0	367.3
67.5°	243.6	241.8	242.7	245.5	242.7	241.8	244.6	250.1	256.6	271.5	296.6
70°	216.7	214.8	214.8	214.8	211.1	208.3	209.2	211.1	213.9	222.2	238.0
72.5°	196.2	196.2	193.4	190.6	187.8	186.0	184.1	182.3	181.3	184.1	192.5
75°	177.6	178.5	177.6	174.8	171.1	167.4	163.7	159.9	155.3	153.4	154.4
77.5°	160.9	161.8	162.7	161.8	158.1	153.4	147.8	142.3	135.8	129.3	125.5
80°	146.0	147.8	148.8	147.8	145.1	141.3	134.8	128.3	119.0	110.7	101.4
82.5°	133.0	135.8	136.7	136.7	134.8	131.1	123.7	116.2	106.0	94.8	82.8
85°	122.7	124.6	126.5	126.5	125.5	121.8	114.4	106.0	95.8	82.8	69.7
87.5°	112.5	113.4	115.3	117.2	115.3	111.6	105.1	95.8	85.5	72.5	57.7
90°	102.3	103.2	105.1	106.9	106.0	102.3	96.7	88.3	77.2	63.2	48.4
92.5°	92.1	93.9	94.8	95.8	96.7	93.9	89.3	80.9	69.7	55.8	41.8
95°	84.6	84.6	86.5	87.4	88.3	85.5	81.8	73.5	63.2	50.2	36.3
97.5°	77.2	77.2	79.0	79.0	80.0	78.1	74.4	67.0	56.7	44.6	30.7
100°	69.7	70.7	71.6	72.5	72.5	71.6	67.9	60.4	51.1	40.0	27.0
102.5°	65.1	65.1	66.0	66.0	67.0	65.1	61.4	54.9	45.6	35.3	23.2
105°	60.4	60.4	61.4	61.4	60.4	58.6	54.9	49.3	40.9	30.7	20.5
107.5°	56.7	56.7	56.7	56.7	55.8	53.9	50.2	43.7	36.3	27.9	18.6
110°	53.9	53.0	53.0	52.1	51.1	48.4	44.6	39.1	32.5	24.2	15.8



TEST NUMBER: P290218

CATALOG NUMBER: 8SSRK-LC-40-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	51.1	50.2	49.3	48.4	46.5	43.7	40.0	35.3	28.8	21.4	13.9
115°	48.4	47.4	46.5	44.6	42.8	40.0	36.3	31.6	25.1	18.6	12.1
117.5°	45.6	44.6	42.8	40.9	39.1	36.3	32.5	27.9	22.3	16.7	11.2
120°	41.8	40.9	40.0	38.1	36.3	32.5	28.8	25.1	19.5	14.9	9.3
122.5°	39.1	38.1	36.3	35.3	32.5	29.8	26.0	22.3	17.7	13.0	8.4
125°	35.3	34.4	33.5	31.6	29.8	26.0	23.2	19.5	15.8	11.2	6.5
127.5°	32.5	31.6	29.8	27.9	26.0	23.2	20.5	17.7	13.9	9.3	6.5
130°	28.8	27.9	27.0	25.1	23.2	20.5	18.6	14.9	12.1	8.4	5.6
132.5°	25.1	25.1	24.2	22.3	20.5	18.6	15.8	13.0	10.2	7.4	4.6
135°	23.2	22.3	21.4	19.5	18.6	15.8	13.9	11.2	8.4	6.5	3.7
137.5°	20.5	19.5	18.6	17.7	15.8	13.9	12.1	9.3	7.4	5.6	3.7
140°	17.7	16.7	16.7	14.9	13.9	12.1	10.2	8.4	6.5	4.6	2.8
142.5°	15.8	14.9	13.9	13.0	12.1	10.2	8.4	6.5	5.6	3.7	2.8
145°	13.9	13.0	12.1	11.2	10.2	8.4	7.4	5.6	4.6	3.7	2.8
147.5°	11.2	11.2	10.2	9.3	8.4	7.4	6.5	5.6	3.7	2.8	1.9
150°	9.3	9.3	8.4	7.4	7.4	6.5	5.6	4.6	3.7	2.8	1.9
152.5°	8.4	7.4	7.4	6.5	6.5	5.6	4.6	3.7	2.8	2.8	1.9
155°	6.5	6.5	6.5	5.6	5.6	4.6	3.7	3.7	2.8	1.9	1.9
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P290218

CATALOG NUMBER: 8SSRK-LC-40-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1800.2	1800.2	1800.2	1800.2	1800.2	1800.2	1800.2	1800.2	1800.2	1800.2	1800.2
2.5°	1803.0	1791.8	1801.1	1817.9	1816.0	1814.2	1812.3	1816.0	1828.1	1821.6	1811.4
5°	1800.2	1789.1	1799.3	1815.1	1814.2	1811.4	1809.5	1813.2	1825.3	1818.8	1807.7
7.5°	1794.6	1784.4	1791.8	1807.7	1807.7	1805.8	1803.9	1807.7	1818.8	1813.2	1802.1
10°	1785.3	1777.9	1785.3	1800.2	1801.1	1797.4	1795.6	1800.2	1811.4	1808.6	1799.3
12.5°	1777.9	1770.5	1778.8	1793.7	1794.6	1790.9	1788.1	1793.7	1808.6	1810.4	1807.7
15°	1767.7	1761.2	1771.4	1787.2	1787.2	1784.4	1784.4	1791.8	1812.3	1820.7	1825.3
17.5°	1752.8	1748.1	1760.2	1776.0	1777.0	1775.1	1776.0	1790.9	1817.9	1838.3	1851.4
20°	1734.2	1732.3	1745.4	1762.1	1764.9	1765.8	1770.5	1792.8	1830.0	1857.9	1870.9
22.5°	1711.9	1712.8	1727.7	1745.4	1749.1	1751.9	1761.2	1792.8	1839.3	1869.0	1874.6
25°	1686.8	1689.6	1705.4	1726.8	1731.4	1737.0	1752.8	1793.7	1842.1	1861.6	1852.3
27.5°	1659.8	1665.4	1685.8	1708.2	1713.7	1723.0	1743.5	1788.1	1829.0	1830.0	1795.6
30°	1631.9	1638.4	1662.6	1688.6	1697.9	1707.2	1732.3	1775.1	1797.4	1767.7	1707.2
32.5°	1600.3	1609.6	1633.8	1665.4	1676.5	1688.6	1713.7	1750.0	1741.6	1677.5	1591.0
35°	1560.3	1573.3	1601.2	1638.4	1648.6	1664.5	1682.1	1690.5	1653.3	1562.2	1464.5
37.5°	1511.0	1530.6	1563.1	1605.9	1617.0	1627.3	1631.9	1608.7	1534.3	1435.7	1334.4
40°	1454.3	1484.1	1519.4	1566.8	1578.0	1578.0	1561.2	1512.0	1418.0	1288.8	1176.3
42.5°	1385.5	1421.8	1466.4	1513.8	1525.0	1512.0	1472.0	1385.5	1278.6	1134.4	1015.4
45°	1301.8	1350.2	1400.4	1449.7	1455.2	1426.4	1354.8	1245.1	1113.0	979.1	865.7
47.5°	1202.3	1265.5	1320.4	1376.2	1368.8	1320.4	1224.6	1100.0	960.5	834.1	743.0
50°	1090.7	1165.1	1226.5	1279.5	1263.7	1196.7	1084.2	954.0	815.5	707.6	632.3
52.5°	971.7	1057.3	1118.6	1161.4	1140.0	1060.0	936.4	811.8	698.3	599.8	549.5
55°	848.0	934.5	997.7	1031.2	1003.3	916.8	795.0	681.6	574.7	510.5	480.7
57.5°	728.1	809.0	868.5	895.5	860.1	773.6	661.1	565.4	488.2	434.2	419.4
60°	612.8	678.8	735.5	756.0	717.9	637.9	541.2	464.9	408.2	371.0	363.6
62.5°	505.8	559.8	604.4	620.2	583.0	520.7	437.0	380.3	340.3	321.7	312.4
65°	417.5	449.1	494.7	491.9	469.6	411.9	350.6	310.6	284.5	272.5	266.9
67.5°	328.2	357.1	385.9	389.6	361.7	321.7	281.7	252.9	239.0	232.5	229.7
70°	253.9	275.2	292.9	288.3	273.4	248.3	223.2	207.4	201.8	199.0	199.0
72.5°	197.1	208.3	216.7	211.1	201.8	188.8	176.7	170.2	171.1	173.0	174.8
75°	152.5	155.3	157.1	151.6	149.7	141.3	140.4	141.3	146.9	152.5	155.3
77.5°	117.2	113.4	110.7	105.1	106.0	105.1	109.7	117.2	125.5	133.9	141.3
80°	90.2	81.8	75.3	69.7	72.5	77.2	86.5	97.6	108.8	118.1	127.4
82.5°	69.7	57.7	48.4	42.8	48.4	55.8	67.9	81.8	94.8	105.1	115.3
85°	53.9	40.0	28.8	23.2	28.8	40.0	53.0	68.8	82.8	93.9	104.1
87.5°	41.8	28.8	15.8	9.3	15.8	27.9	42.8	57.7	71.6	84.6	94.8
90°	33.5	19.5	7.4	1.9	8.4	19.5	33.5	48.4	62.3	76.2	86.5
92.5°	27.0	13.9	3.7	0.0	4.6	14.9	27.9	41.8	55.8	68.8	79.0
95°	22.3	11.2	2.8	0.0	3.7	11.2	22.3	36.3	49.3	62.3	70.7
97.5°	18.6	8.4	1.9	0.0	1.9	9.3	18.6	30.7	43.7	55.8	64.2
100°	15.8	7.4	1.9	0.0	1.9	7.4	15.8	27.0	38.1	49.3	57.7
102.5°	13.0	5.6	0.9	0.9	0.9	5.6	13.9	23.2	33.5	43.7	52.1
105°	12.1	4.6	0.9	0.9	0.9	4.6	12.1	20.5	29.8	39.1	46.5
107.5°	10.2	3.7	0.9	0.9	0.9	3.7	10.2	17.7	27.0	35.3	41.8
110°	8.4	3.7	0.9	0.9	0.9	3.7	8.4	15.8	23.2	30.7	37.2



TEST NUMBER: P290218

CATALOG NUMBER: 8SSRK-LC-40-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	7.4	2.8	0.9	0.9	0.9	2.8	7.4	13.9	20.5	27.9	33.5
115°	6.5	2.8	0.9	0.9	0.9	2.8	6.5	12.1	17.7	24.2	29.8
117.5°	5.6	2.8	0.9	0.9	0.9	1.9	5.6	10.2	15.8	21.4	27.0
120°	4.6	1.9	0.9	0.9	0.9	1.9	4.6	9.3	13.9	18.6	23.2
122.5°	4.6	1.9	0.9	0.9	0.9	1.9	3.7	7.4	12.1	15.8	20.5
125°	3.7	1.9	0.9	0.9	0.9	0.9	3.7	6.5	10.2	13.9	17.7
127.5°	3.7	1.9	0.9	0.9	0.9	0.9	2.8	5.6	8.4	12.1	15.8
130°	2.8	1.9	0.9	0.9	0.9	0.9	1.9	4.6	7.4	10.2	13.0
132.5°	2.8	1.9	0.9	0.9	0.9	0.9	1.9	3.7	5.6	8.4	11.2
135°	2.8	0.9	0.9	0.9	0.9	0.9	0.9	2.8	4.6	6.5	8.4
137.5°	1.9	0.9	0.9	0.9	0.9	0.9	0.9	1.9	3.7	4.6	7.4
140°	1.9	0.9	0.9	0.9	0.9	0.9	0.9	1.9	2.8	3.7	5.6
142.5°	1.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.9	2.8	4.6
145°	1.9	0.9	0.9	1.9	1.9	0.9	0.9	1.9	1.9	2.8	3.7
147.5°	1.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.9	1.9	2.8
150°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.8
152.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
155°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P290218

CATALOG NUMBER: 8SSRK-LC-40-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1800.2	1800.2	1800.2	1800.2	1800.2	1800.2	1800.2	1800.2	1800.2	1800.2	1800.2
2.5°	1809.5	1788.1	1799.3	1795.6	1799.3	1808.6	1807.7	1804.9	1806.7	1802.1	1797.4
5°	1805.8	1784.4	1795.6	1790.9	1795.6	1804.9	1803.0	1800.2	1803.0	1797.4	1792.8
7.5°	1801.1	1781.6	1794.6	1793.7	1802.1	1814.2	1815.1	1815.1	1821.6	1813.2	1809.5
10°	1801.1	1790.9	1808.6	1815.1	1836.5	1852.3	1854.1	1857.9	1869.0	1867.2	1857.9
12.5°	1820.7	1818.8	1844.9	1860.7	1880.2	1902.5	1914.6	1918.3	1925.7	1920.2	1916.5
15°	1845.8	1855.1	1883.9	1901.6	1923.0	1939.7	1942.5	1944.3	1949.9	1941.6	1935.0
17.5°	1879.3	1884.8	1908.1	1915.5	1929.5	1932.3	1928.5	1919.2	1919.2	1900.6	1895.1
20°	1895.1	1892.3	1901.6	1889.5	1883.9	1867.2	1851.4	1833.7	1832.8	1813.2	1811.4
22.5°	1881.1	1862.5	1843.0	1813.2	1800.2	1776.0	1754.7	1744.4	1737.9	1712.8	1706.3
25°	1831.8	1786.3	1757.4	1722.1	1690.5	1662.6	1642.1	1620.8	1600.3	1579.8	1570.5
27.5°	1746.3	1703.5	1657.0	1607.7	1564.0	1521.3	1486.9	1465.5	1445.9	1419.0	1405.0
30°	1641.2	1581.7	1530.6	1483.1	1411.5	1359.5	1330.6	1287.9	1273.0	1260.9	1234.9
32.5°	1517.5	1445.9	1376.2	1312.0	1238.6	1190.2	1152.1	1120.5	1111.2	1079.6	1072.1
35°	1380.8	1286.9	1207.9	1144.7	1091.7	1033.1	1001.5	980.1	961.5	940.1	936.4
37.5°	1220.0	1135.4	1046.1	990.3	948.5	898.2	874.1	859.2	850.8	835.0	832.2
40°	1058.2	973.6	912.2	856.4	830.4	803.4	785.7	779.2	775.5	769.9	764.3
42.5°	911.3	836.9	793.2	756.0	744.8	731.8	727.2	730.9	727.2	725.3	724.4
45°	786.7	729.9	699.3	688.1	685.3	681.6	685.3	691.8	692.7	690.9	690.9
47.5°	673.2	646.3	633.2	635.1	639.7	642.5	649.0	657.4	659.3	654.6	656.5
50°	598.8	583.0	580.2	587.7	597.9	601.6	609.1	615.6	614.6	612.8	610.9
52.5°	529.1	524.4	531.9	539.3	550.5	552.3	555.1	557.9	557.0	553.3	551.4
55°	470.5	474.2	480.7	483.5	491.9	491.0	491.9	491.9	488.2	486.3	483.5
57.5°	417.5	418.4	422.2	423.1	427.7	425.9	424.9	423.1	417.5	416.6	413.8
60°	363.6	361.7	370.1	363.6	367.3	363.6	362.6	358.0	352.4	351.5	349.6
62.5°	312.4	308.7	314.3	311.5	313.4	309.6	307.8	302.2	297.6	296.6	295.7
65°	266.9	265.0	270.6	269.7	271.5	266.9	265.0	261.3	257.6	256.6	255.7
67.5°	228.7	233.4	236.2	236.2	238.0	237.1	232.5	231.5	230.6	226.9	226.9
70°	200.9	203.6	209.2	210.1	209.2	211.1	207.4	206.4	205.5	203.6	202.7
72.5°	178.5	182.3	187.8	188.8	187.8	187.8	186.0	185.0	185.0	182.3	182.3
75°	160.9	165.5	170.2	170.2	170.2	168.3	166.4	166.4	164.6	163.7	161.8
77.5°	146.0	151.6	155.3	154.4	153.4	151.6	151.6	148.8	146.0	146.0	144.1
80°	134.8	138.5	141.3	140.4	139.5	136.7	135.8	133.0	131.1	128.3	128.3
82.5°	122.7	127.4	129.3	128.3	126.5	123.7	122.7	120.9	119.0	118.1	116.2
85°	112.5	117.2	118.1	116.2	114.4	112.5	111.6	110.7	109.7	107.9	107.9
87.5°	102.3	106.9	106.9	106.0	104.1	103.2	102.3	101.4	100.4	99.5	98.6
90°	93.9	97.6	97.6	96.7	95.8	94.8	93.9	93.0	92.1	91.1	91.1
92.5°	85.5	89.3	89.3	88.3	87.4	86.5	86.5	85.5	84.6	83.7	82.8
95°	78.1	81.8	81.8	81.8	80.9	80.0	80.0	79.0	78.1	78.1	77.2
97.5°	70.7	74.4	74.4	74.4	73.5	72.5	72.5	71.6	71.6	71.6	70.7
100°	64.2	67.0	67.9	67.9	67.0	67.0	67.0	66.0	66.0	66.0	65.1
102.5°	57.7	60.4	62.3	62.3	62.3	61.4	61.4	61.4	61.4	61.4	60.4
105°	52.1	54.9	56.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
107.5°	47.4	50.2	52.1	53.0	53.9	53.9	54.9	54.9	54.9	54.9	54.9
110°	42.8	45.6	48.4	49.3	50.2	51.1	51.1	52.1	51.1	51.1	51.1



TEST NUMBER: P290218

CATALOG NUMBER: 8SSRK-LC-40-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	38.1	41.8	43.7	45.6	46.5	47.4	48.4	48.4	48.4	48.4	48.4
115°	34.4	38.1	40.0	41.8	43.7	44.6	44.6	45.6	45.6	45.6	44.6
117.5°	30.7	34.4	36.3	38.1	39.1	40.9	41.8	41.8	41.8	41.8	40.9
120°	27.9	30.7	32.5	34.4	36.3	37.2	38.1	38.1	38.1	38.1	38.1
122.5°	24.2	27.0	29.8	31.6	32.5	33.5	34.4	34.4	34.4	34.4	34.4
125°	21.4	24.2	26.0	27.9	28.8	30.7	30.7	30.7	30.7	30.7	30.7
127.5°	18.6	21.4	23.2	25.1	26.0	27.0	27.9	27.9	27.9	27.9	27.9
130°	15.8	18.6	20.5	22.3	23.2	24.2	24.2	25.1	25.1	25.1	25.1
132.5°	13.9	15.8	17.7	19.5	20.5	21.4	21.4	22.3	22.3	22.3	22.3
135°	11.2	13.9	14.9	16.7	17.7	18.6	18.6	19.5	19.5	19.5	19.5
137.5°	9.3	11.2	13.0	14.9	15.8	15.8	16.7	16.7	17.7	17.7	17.7
140°	7.4	8.4	11.2	12.1	13.0	13.9	14.9	14.9	14.9	14.9	14.9
142.5°	5.6	7.4	8.4	10.2	11.2	12.1	13.0	13.0	13.0	13.0	13.0
145°	4.6	5.6	6.5	8.4	9.3	10.2	11.2	11.2	11.2	11.2	11.2
147.5°	3.7	4.6	5.6	6.5	7.4	8.4	9.3	9.3	9.3	9.3	9.3
150°	2.8	3.7	4.6	4.6	5.6	6.5	7.4	8.4	8.4	8.4	8.4
152.5°	2.8	2.8	3.7	3.7	4.6	5.6	6.5	6.5	6.5	6.5	6.5
155°	1.9	2.8	2.8	2.8	3.7	3.7	4.6	5.6	5.6	5.6	5.6
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



TEST NUMBER: P290218

CATALOG NUMBER: 8SSRK-LC-40-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1800.2	1800.2	1800.2	1800.2	1800.2	1800.2	1800.2	1800.2	1800.2	1800.2	1800.2
2.5°	1800.2	1803.9	1802.1	1799.3	1798.4	1803.0	1798.4	1777.0	1785.3	1786.3	1792.8
5°	1797.4	1800.2	1798.4	1796.5	1793.7	1799.3	1793.7	1771.4	1779.8	1780.7	1787.2
7.5°	1816.0	1817.0	1817.0	1812.3	1804.9	1807.7	1800.2	1775.1	1779.8	1779.8	1784.4
10°	1862.5	1864.4	1867.2	1855.1	1845.8	1838.3	1828.1	1797.4	1796.5	1789.1	1789.1
12.5°	1923.0	1918.3	1913.7	1908.1	1900.6	1891.3	1876.5	1840.2	1828.1	1816.0	1803.9
15°	1940.6	1938.8	1937.8	1935.0	1930.4	1927.6	1916.5	1880.2	1862.5	1847.6	1826.3
17.5°	1894.1	1897.9	1909.9	1910.9	1916.5	1927.6	1925.7	1900.6	1884.8	1878.3	1852.3
20°	1810.4	1811.4	1826.3	1832.8	1856.9	1875.5	1889.5	1886.7	1883.0	1890.4	1870.9
22.5°	1710.0	1716.5	1732.3	1742.6	1765.8	1787.2	1809.5	1821.6	1841.1	1871.8	1868.1
25°	1573.3	1581.7	1604.0	1620.8	1653.3	1685.8	1715.6	1737.0	1760.2	1818.8	1838.3
27.5°	1409.7	1422.7	1451.5	1468.3	1513.8	1547.3	1590.1	1631.9	1664.5	1731.4	1771.4
30°	1237.6	1248.8	1279.5	1302.7	1341.8	1387.4	1441.3	1500.8	1554.7	1622.6	1672.8
32.5°	1076.8	1088.9	1114.0	1134.4	1178.1	1216.3	1275.8	1349.2	1399.4	1493.4	1560.3
35°	936.4	947.5	965.2	982.9	1019.1	1058.2	1109.3	1180.9	1245.1	1342.7	1427.3
37.5°	837.8	839.7	849.9	860.1	887.1	916.8	956.8	1020.1	1079.6	1184.6	1277.6
40°	767.1	767.1	772.7	775.5	787.6	805.3	830.4	879.7	928.9	1008.9	1122.3
42.5°	723.4	721.6	721.6	722.5	721.6	729.9	744.8	768.1	811.8	877.8	966.1
45°	690.9	687.2	684.4	677.9	674.2	674.2	675.1	683.5	708.6	751.3	822.9
47.5°	654.6	653.7	649.0	641.6	635.1	630.4	623.0	620.2	627.7	651.8	700.2
50°	612.8	608.1	603.5	597.9	590.5	585.8	571.9	572.8	566.3	577.4	602.6
52.5°	551.4	547.7	545.8	541.2	538.4	536.5	525.4	514.2	511.4	513.3	522.6
55°	483.5	485.4	478.0	481.7	480.7	472.4	467.7	459.4	456.6	455.6	460.3
57.5°	412.9	414.7	410.1	413.8	413.8	409.1	406.4	406.4	399.8	394.3	400.8
60°	348.7	345.0	347.8	352.4	352.4	349.6	347.8	347.8	343.1	341.3	345.9
62.5°	296.6	292.9	295.7	300.3	301.3	299.4	297.6	297.6	292.0	292.0	295.7
65°	256.6	257.6	256.6	260.4	260.4	261.3	259.4	257.6	251.1	253.9	252.9
67.5°	227.8	226.9	226.9	230.6	229.7	231.5	229.7	226.9	222.2	218.5	217.6
70°	203.6	202.7	202.7	204.6	205.5	205.5	204.6	202.7	196.2	192.5	189.7
72.5°	182.3	181.3	182.3	183.2	184.1	185.0	184.1	182.3	176.7	172.0	167.4
75°	162.7	161.8	164.6	164.6	165.5	165.5	166.4	165.5	160.9	155.3	149.7
77.5°	143.2	144.1	146.9	147.8	149.7	150.6	151.6	151.6	146.9	142.3	134.8
80°	127.4	129.3	131.1	132.0	133.9	136.7	137.6	138.5	134.8	130.2	121.8
82.5°	116.2	117.2	119.0	120.0	122.7	123.7	124.6	126.5	124.6	120.0	110.7
85°	106.9	107.9	109.7	109.7	111.6	113.4	114.4	115.3	114.4	109.7	100.4
87.5°	98.6	99.5	100.4	101.4	102.3	103.2	104.1	105.1	104.1	99.5	91.1
90°	91.1	91.1	92.1	92.1	93.0	93.9	95.8	95.8	94.8	91.1	82.8
92.5°	82.8	83.7	83.7	84.6	85.5	86.5	87.4	87.4	86.5	82.8	75.3
95°	77.2	77.2	78.1	78.1	79.0	79.0	80.0	80.0	79.0	75.3	67.9
97.5°	70.7	70.7	70.7	70.7	71.6	71.6	72.5	72.5	71.6	67.9	61.4
100°	65.1	65.1	65.1	65.1	65.1	66.0	66.0	66.0	65.1	61.4	54.9
102.5°	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	58.6	55.8	49.3
105°	57.7	57.7	57.7	56.7	56.7	56.7	55.8	55.8	53.0	50.2	44.6
107.5°	53.9	53.9	53.9	53.0	53.0	52.1	51.1	51.1	48.4	45.6	40.0
110°	51.1	51.1	51.1	50.2	49.3	48.4	47.4	46.5	43.7	40.0	35.3



TEST NUMBER: P290218

CATALOG NUMBER: 8SSRK-LC-40-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	48.4	48.4	47.4	47.4	46.5	45.6	43.7	42.8	40.0	36.3	31.6
115°	44.6	44.6	44.6	43.7	42.8	41.8	40.9	39.1	36.3	32.5	27.9
117.5°	40.9	40.9	40.9	40.0	39.1	38.1	37.2	35.3	32.5	28.8	25.1
120°	37.2	37.2	37.2	36.3	35.3	34.4	33.5	31.6	28.8	26.0	21.4
122.5°	34.4	34.4	33.5	32.5	31.6	30.7	29.8	27.9	26.0	22.3	18.6
125°	30.7	30.7	29.8	29.8	28.8	27.9	27.0	25.1	22.3	19.5	16.7
127.5°	27.9	27.0	27.0	27.0	26.0	25.1	23.2	22.3	19.5	16.7	13.9
130°	24.2	24.2	24.2	23.2	23.2	22.3	20.5	18.6	16.7	14.9	12.1
132.5°	21.4	21.4	21.4	21.4	20.5	19.5	17.7	16.7	14.9	12.1	10.2
135°	19.5	19.5	18.6	18.6	17.7	16.7	15.8	13.9	12.1	10.2	8.4
137.5°	16.7	16.7	16.7	15.8	15.8	14.9	13.0	12.1	11.2	9.3	7.4
140°	14.9	14.9	13.9	13.9	13.0	13.0	12.1	10.2	9.3	7.4	6.5
142.5°	13.0	13.0	12.1	12.1	11.2	11.2	10.2	9.3	7.4	6.5	4.6
145°	11.2	11.2	10.2	10.2	10.2	9.3	8.4	7.4	6.5	5.6	4.6
147.5°	9.3	9.3	9.3	8.4	8.4	7.4	7.4	6.5	5.6	4.6	3.7
150°	8.4	8.4	7.4	7.4	7.4	6.5	5.6	5.6	4.6	3.7	2.8
152.5°	6.5	6.5	6.5	6.5	5.6	5.6	4.6	4.6	3.7	2.8	2.8
155°	5.6	5.6	5.6	4.6	4.6	4.6	3.7	3.7	2.8	2.8	1.9
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: 8SSRK-LC-40-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1800.2	1800.2	1800.2	1800.2	1800.2	1800.2	1800.2
2.5°	1790.0	1789.1	1797.4	1796.5	1785.3	1802.1	1813.2
5°	1785.3	1784.4	1791.8	1793.7	1781.6	1799.3	1811.4
7.5°	1781.6	1780.7	1789.1	1791.8	1779.8	1795.6	1808.6
10°	1782.5	1777.9	1785.3	1787.2	1776.0	1792.8	1803.9
12.5°	1789.1	1777.9	1780.7	1780.7	1770.5	1785.3	1797.4
15°	1804.9	1781.6	1777.9	1775.1	1762.1	1776.0	1788.1
17.5°	1822.5	1790.9	1777.9	1768.6	1752.8	1764.9	1777.9
20°	1840.2	1801.1	1779.8	1764.9	1743.5	1754.7	1764.0
22.5°	1848.6	1810.4	1781.6	1759.3	1732.3	1737.9	1748.1
25°	1837.4	1806.7	1777.9	1750.9	1718.4	1719.3	1727.7
27.5°	1796.5	1788.1	1769.5	1742.6	1707.2	1702.6	1709.1
30°	1726.8	1750.0	1750.9	1731.4	1694.2	1684.9	1687.7
32.5°	1629.1	1681.2	1711.9	1708.2	1675.6	1662.6	1664.5
35°	1516.6	1581.7	1648.6	1671.0	1647.7	1637.5	1633.8
37.5°	1381.8	1469.2	1558.5	1613.3	1609.6	1603.1	1599.4
40°	1233.0	1338.1	1444.1	1531.5	1558.5	1558.5	1560.3
42.5°	1074.0	1196.7	1313.0	1423.6	1486.9	1500.8	1506.4
45°	920.6	1044.2	1170.7	1298.1	1382.7	1426.4	1442.2
47.5°	781.1	905.7	1025.6	1165.1	1277.6	1334.4	1359.5
50°	662.1	755.0	881.5	1020.1	1142.8	1212.5	1261.8
52.5°	563.5	636.0	746.7	875.9	999.6	1095.4	1140.9
55°	480.7	530.0	623.9	735.5	853.6	953.1	1006.1
57.5°	411.0	450.1	514.2	607.2	706.7	805.3	862.0
60°	349.6	376.6	420.3	493.8	578.4	663.0	717.9
62.5°	296.6	314.3	343.1	397.1	463.1	529.1	580.2
65°	255.7	263.2	279.0	312.4	362.6	412.9	456.6
67.5°	215.7	220.4	232.5	252.9	278.0	314.3	343.1
70°	186.0	186.0	186.9	199.0	212.0	235.3	255.7
72.5°	161.8	159.0	153.4	156.2	159.0	172.0	185.0
75°	142.3	135.8	126.5	122.7	120.9	122.7	130.2
77.5°	125.5	116.2	105.1	95.8	88.3	85.5	92.1
80°	111.6	100.4	87.4	75.3	63.2	56.7	59.5
82.5°	100.4	86.5	72.5	58.6	44.6	35.3	35.3
85°	88.3	75.3	60.4	45.6	31.6	19.5	17.7
87.5°	80.0	66.0	50.2	36.3	22.3	10.2	5.6
90°	71.6	57.7	42.8	28.8	15.8	4.6	0.0
92.5°	64.2	51.1	37.2	23.2	11.2	2.8	0.0
95°	57.7	45.6	31.6	19.5	9.3	1.9	0.9
97.5°	51.1	40.0	27.9	15.8	6.5	1.9	0.9
100°	46.5	35.3	24.2	13.0	5.6	0.9	0.9
102.5°	40.9	31.6	20.5	11.2	4.6	0.9	0.9
105°	36.3	27.9	17.7	9.3	3.7	0.9	0.9
107.5°	32.5	24.2	15.8	8.4	3.7	0.9	0.9
110°	28.8	21.4	13.9	7.4	2.8	0.9	0.9



TEST NUMBER: P290218

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	26.0	18.6	12.1	6.5	1.9	0.9	0.9
115°	22.3	16.7	10.2	5.6	1.9	0.9	0.9
117.5°	19.5	13.9	9.3	4.6	1.9	0.9	0.9
120°	16.7	12.1	7.4	3.7	0.9	0.9	0.9
122.5°	14.9	10.2	6.5	3.7	0.9	0.9	0.9
125°	13.0	9.3	5.6	2.8	0.9	0.9	0.9
127.5°	11.2	7.4	4.6	1.9	0.9	0.9	0.9
130°	9.3	6.5	3.7	1.9	0.9	0.9	0.9
132.5°	7.4	5.6	3.7	1.9	0.9	0.9	0.9
135°	6.5	4.6	2.8	1.9	0.9	0.9	0.9
137.5°	5.6	3.7	1.9	1.9	1.9	0.9	0.9
140°	4.6	2.8	1.9	1.9	1.9	1.9	0.9
142.5°	3.7	2.8	1.9	1.9	1.9	1.9	0.9
145°	2.8	1.9	1.9	1.9	1.9	1.9	0.9
147.5°	2.8	1.9	1.9	1.9	1.9	1.9	0.9
150°	1.9	1.9	1.9	1.9	1.9	1.9	1.9
152.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9
155°	1.9	1.9	1.9	1.9	1.9	1.9	1.9
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)