

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: P290224

Luminaire Tested: **8SSRK-LC-50-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: P290224  
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-50-L830-CD1-U  
Description: 5000 LUMEN, 8 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: 5222.5 lumens  
Efficiency: N/A  
Efficacy: 152.7 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

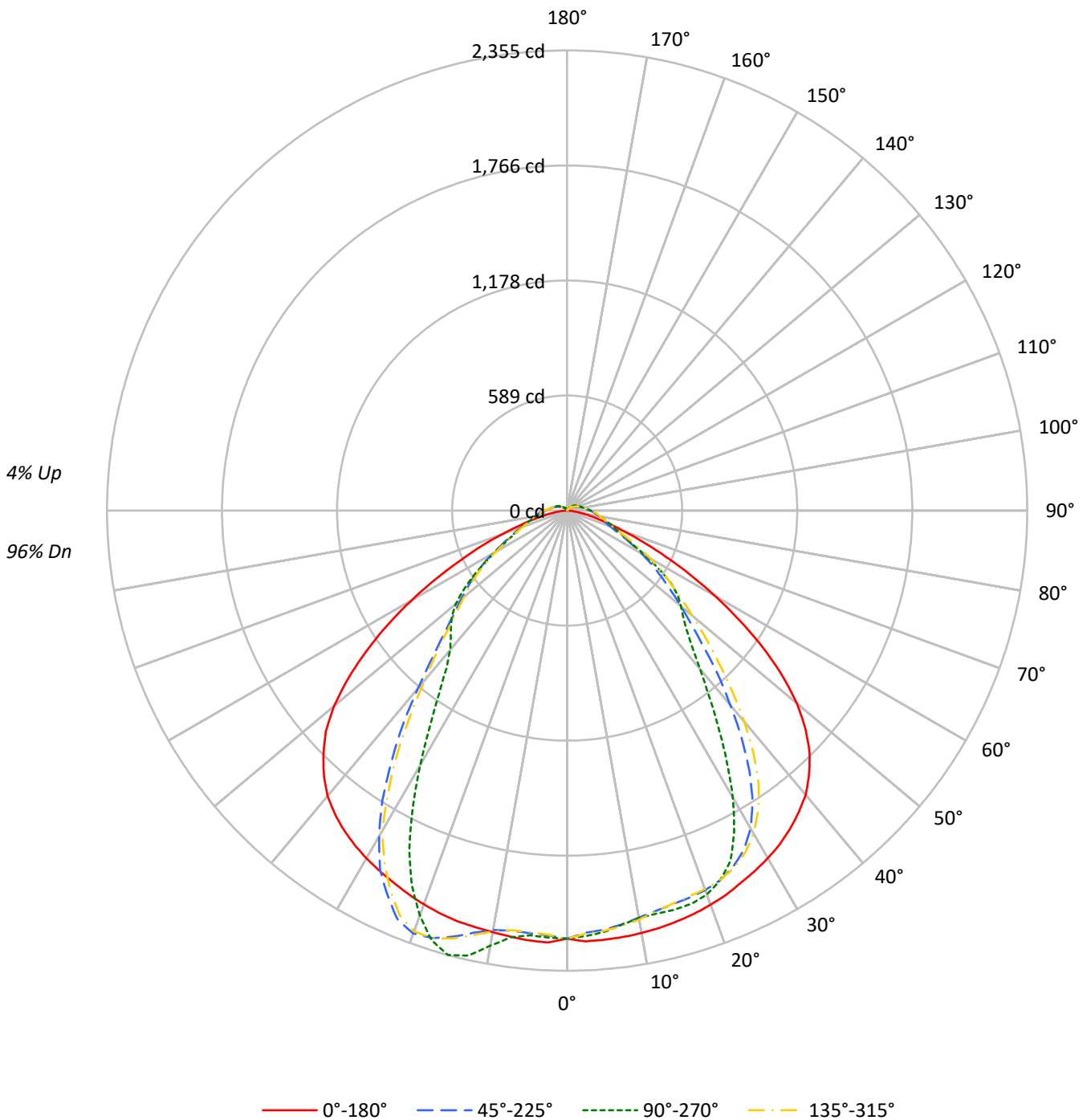
Input Watts (W): 34.1991  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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CATALOG NUMBER: 8SSRK-LC-50-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°	70741	70741	70741	70741
5°	71322	51978	71468	52387
10°	71716	40710	71569	43473
15°	72341	34126	72305	37997
20°	73210	29260	73132	30844
25°	74191	24597	74148	23766
30°	75670	19111	75710	16931
35°	77249	13966	77467	11818
40°	78666	10216	78993	9001
45°	78515	7886	78917	7679
50°	75270	6624	76323	6476
55°	66940	5429	68608	4935
60°	54455	3779	57347	3466
65°	40637	2618	43782	2483
70°	27791	2032	31327	1943
75°	18337	1631	21347	1542
80°	12041	1332	14120	1226
85°	6434	1140	8469	1041



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	208.1	4.0
10°-20°	619.1	11.9
20°-30°	941.3	18.0
30°-40°	1009.8	19.3
40°-50°	876.4	16.8
50°-60°	649.5	12.4
60°-70°	372.1	7.1
70°-80°	206.1	3.9
80°-90°	125.5	2.4
90°-100°	81.6	1.6
100°-110°	54.6	1.0
110°-120°	36.9	0.7
120°-130°	22.6	0.4
130°-140°	11.9	0.2
140°-150°	5.4	0.1
150°-160°	1.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1768.5	33.9
0°-40°	2778.3	53.2
0°-60°	4304.1	82.4
0°-90°	5007.8	95.9
90°-120°	173.1	3.3
90°-150°	213.1	4.1
90°-180°	215.0	4.1
0°-180°	5222.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2191	2191	2191	2191	2191	
5°	2204	2165	2209	2182	2204	210
15°	2176	2115	2175	2355	2176	616
25°	2102	1978	2101	1911	2102	972
35°	1988	1347	1994	1140	1988	1244
45°	1755	863	1764	841	1755	1344
55°	1224	647	1255	588	1224	1086
65°	556	328	599	311	556	560
75°	158	208	184	197	158	181
85°	22	144	28	131	22	28
90°	0	120	2	111	0	1
95°	1	98	0	94	1	1
105°	1	74	1	70	1	1
115°	1	60	1	54	1	1
125°	1	45	1	37	1	1
135°	1	28	1	24	1	1
145°	1	17	2	14	1	1
155°	2	8	2	7	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°	2190.7	2190.7	2190.7	2190.7	2190.7	2190.7	2190.7	2190.7	2190.7	2190.7	2190.7
2.5°	2206.6	2200.9	2198.6	2194.1	2197.5	2211.1	2202.0	2187.3	2188.5	2162.4	2176.0
5°	2204.3	2197.5	2194.1	2189.6	2191.9	2204.3	2195.2	2180.5	2179.4	2153.4	2165.8
7.5°	2200.9	2194.1	2188.5	2185.1	2186.2	2196.4	2185.1	2168.1	2164.7	2136.4	2147.7
10°	2195.2	2190.7	2182.8	2177.1	2176.0	2187.3	2169.2	2152.2	2144.3	2114.9	2126.2
12.5°	2187.3	2180.5	2172.6	2162.4	2161.3	2168.1	2153.4	2129.6	2121.7	2097.9	2110.4
15°	2176.0	2168.1	2159.0	2147.7	2142.1	2146.6	2128.5	2107.0	2105.9	2085.5	2102.5
17.5°	2163.6	2152.2	2142.1	2126.2	2118.3	2121.7	2107.0	2087.7	2090.0	2077.6	2096.8
20°	2146.6	2134.1	2118.3	2102.5	2091.1	2096.8	2086.6	2071.9	2075.3	2066.2	2083.2
22.5°	2127.4	2110.4	2091.1	2073.0	2064.0	2071.9	2064.0	2051.5	2052.7	2047.0	2057.2
25°	2102.5	2083.2	2060.6	2038.0	2033.4	2039.1	2034.6	2024.4	2019.9	2010.8	2015.3
27.5°	2079.8	2058.3	2030.0	2006.3	1998.4	2009.7	1999.5	1982.5	1970.1	1957.6	1948.6
30°	2053.8	2027.8	1996.1	1968.9	1962.1	1966.7	1952.0	1925.9	1893.1	1877.3	1852.4
32.5°	2025.5	1991.6	1952.0	1921.4	1916.9	1913.5	1886.3	1849.0	1798.1	1766.4	1727.9
35°	1988.2	1950.8	1903.3	1866.0	1859.2	1839.9	1795.8	1746.0	1680.4	1626.1	1560.4
37.5°	1946.3	1902.2	1852.4	1802.6	1783.4	1744.9	1682.6	1630.6	1531.0	1465.4	1386.2
40°	1898.8	1845.6	1784.5	1724.5	1692.8	1630.6	1559.3	1482.4	1386.2	1297.9	1231.1
42.5°	1833.1	1776.6	1704.1	1637.4	1583.1	1500.5	1416.7	1308.1	1219.8	1145.1	1077.3
45°	1755.1	1687.2	1603.4	1523.1	1454.1	1355.6	1257.2	1148.5	1075.0	987.9	941.5
47.5°	1654.4	1580.8	1491.4	1402.0	1311.5	1202.9	1099.9	995.8	922.2	860.0	826.0
50°	1535.5	1467.6	1369.2	1262.8	1163.3	1050.1	947.1	869.0	797.8	759.3	733.3
52.5°	1388.4	1325.1	1224.4	1108.9	1012.8	901.9	807.9	744.6	693.7	665.4	656.3
55°	1224.4	1168.9	1069.3	961.8	863.4	761.5	690.3	634.8	602.0	585.0	586.2
57.5°	1049.0	1006.0	912.0	815.9	723.1	646.1	581.6	537.5	512.6	511.5	514.9
60°	873.6	841.9	760.4	677.8	596.3	534.1	486.6	456.0	440.2	441.3	440.2
62.5°	706.1	676.7	617.8	549.9	485.4	443.6	400.6	388.1	374.5	373.4	373.4
65°	555.6	533.0	485.4	436.8	388.1	361.0	339.5	324.8	314.6	312.3	313.4
67.5°	417.5	408.5	375.7	342.9	312.3	295.3	277.2	273.8	265.9	265.9	268.2
70°	311.2	304.4	286.3	267.1	254.6	243.3	234.2	234.2	233.1	232.0	237.6
72.5°	225.2	226.3	220.7	205.9	204.8	202.6	200.3	203.7	204.8	208.2	215.0
75°	158.4	161.8	161.8	159.6	164.1	169.7	173.1	178.8	185.6	190.1	198.0
77.5°	112.0	112.0	117.7	124.5	133.5	143.7	152.8	160.7	169.7	175.4	182.2
80°	72.4	75.8	84.9	97.3	109.8	123.3	135.8	146.0	155.0	164.1	168.6
82.5°	43.0	48.7	60.0	75.8	91.7	108.6	121.1	133.5	143.7	152.8	156.2
85°	21.5	29.4	43.0	60.0	76.9	95.1	110.9	122.2	133.5	141.4	146.0
87.5°	6.8	15.8	30.6	46.4	64.5	82.6	99.6	112.0	122.2	129.0	133.5
90°	0.0	7.9	21.5	38.5	55.4	73.6	89.4	103.0	113.2	118.8	122.2
92.5°	0.0	4.5	17.0	31.7	47.5	65.6	81.5	93.9	103.0	108.6	110.9
95°	1.1	3.4	12.4	26.0	41.9	58.8	73.6	84.9	93.9	99.6	100.7
97.5°	1.1	2.3	10.2	21.5	36.2	52.1	66.8	78.1	84.9	90.5	91.7
100°	1.1	2.3	7.9	19.2	31.7	46.4	60.0	70.2	78.1	82.6	83.7
102.5°	1.1	1.1	6.8	15.8	28.3	40.7	53.2	63.4	70.2	74.7	76.9
105°	1.1	1.1	5.7	13.6	24.9	36.2	47.5	57.7	63.4	67.9	70.2
107.5°	1.1	1.1	4.5	11.3	21.5	31.7	43.0	50.9	57.7	62.2	64.5
110°	1.1	1.1	3.4	10.2	18.1	28.3	37.3	45.3	52.1	56.6	58.8



TEST NUMBER: P290224

CATALOG NUMBER: 8SSRK-LC-50-L830-CD1-U

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1.1	1.1	3.4	9.1	15.8	24.9	32.8	40.7	46.4	50.9	54.3
115°	1.1	1.1	3.4	7.9	14.7	21.5	29.4	36.2	41.9	46.4	49.8
117.5°	1.1	1.1	3.4	6.8	12.4	19.2	26.0	32.8	37.3	41.9	45.3
120°	1.1	1.1	2.3	5.7	11.3	17.0	22.6	28.3	33.9	38.5	41.9
122.5°	1.1	1.1	2.3	5.7	9.1	14.7	20.4	24.9	30.6	33.9	37.3
125°	1.1	1.1	2.3	4.5	7.9	13.6	18.1	22.6	26.0	30.6	33.9
127.5°	1.1	1.1	2.3	4.5	6.8	11.3	15.8	20.4	23.8	27.2	29.4
130°	1.1	1.1	2.3	3.4	5.7	9.1	13.6	17.0	21.5	23.8	26.0
132.5°	1.1	1.1	1.1	3.4	4.5	6.8	10.2	14.7	18.1	21.5	22.6
135°	1.1	1.1	1.1	2.3	4.5	5.7	7.9	11.3	14.7	18.1	20.4
137.5°	1.1	1.1	1.1	2.3	3.4	5.7	6.8	9.1	12.4	14.7	18.1
140°	1.1	1.1	1.1	2.3	3.4	4.5	5.7	7.9	10.2	12.4	14.7
142.5°	1.1	1.1	1.1	2.3	2.3	3.4	4.5	6.8	7.9	10.2	12.4
145°	1.1	1.1	1.1	2.3	2.3	3.4	4.5	5.7	6.8	7.9	10.2
147.5°	1.1	1.1	1.1	2.3	2.3	2.3	3.4	4.5	5.7	6.8	7.9
150°	2.3	2.3	2.3	2.3	2.3	2.3	3.4	3.4	4.5	5.7	6.8
152.5°	2.3	2.3	2.3	2.3	2.3	2.3	3.4	3.4	3.4	4.5	5.7
155°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	3.4	3.4	4.5	4.5
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°	2190.7	2190.7	2190.7	2190.7	2190.7	2190.7	2190.7	2190.7	2190.7	2190.7	2190.7
2.5°	2171.5	2173.7	2187.3	2186.2	2183.9	2181.7	2181.7	2179.4	2181.7	2187.3	2185.1
5°	2160.2	2163.6	2173.7	2172.6	2170.4	2169.2	2168.1	2164.7	2167.0	2174.9	2172.6
7.5°	2139.8	2143.2	2152.2	2147.7	2144.3	2146.6	2140.9	2137.5	2142.1	2150.0	2148.9
10°	2118.3	2120.6	2131.9	2129.6	2124.0	2125.1	2119.4	2117.2	2122.8	2127.4	2128.5
12.5°	2103.6	2111.5	2121.7	2120.6	2119.4	2120.6	2114.9	2112.6	2116.0	2120.6	2119.4
15°	2100.2	2110.4	2121.7	2121.7	2122.8	2124.0	2118.3	2114.9	2118.3	2121.7	2120.6
17.5°	2096.8	2109.2	2119.4	2118.3	2119.4	2121.7	2112.6	2110.4	2114.9	2119.4	2117.2
20°	2085.5	2096.8	2103.6	2101.3	2101.3	2102.5	2091.1	2091.1	2097.9	2101.3	2102.5
22.5°	2053.8	2067.4	2067.4	2061.7	2061.7	2057.2	2053.8	2047.0	2054.9	2060.6	2065.1
25°	2006.3	2011.9	2005.1	1992.7	1985.9	1980.2	1964.4	1978.0	1978.0	1995.0	2000.6
27.5°	1939.5	1927.1	1907.8	1881.8	1876.1	1858.0	1847.9	1851.2	1856.9	1880.7	1898.8
30°	1829.7	1792.4	1759.6	1748.3	1723.4	1705.3	1687.2	1696.2	1706.4	1720.0	1757.3
32.5°	1684.9	1648.7	1595.5	1576.3	1550.3	1527.6	1506.1	1519.7	1537.8	1546.9	1587.6
35°	1518.6	1475.6	1426.9	1394.1	1366.9	1354.5	1327.3	1346.6	1365.8	1372.6	1407.7
37.5°	1342.0	1297.9	1254.9	1226.6	1200.6	1192.7	1174.6	1188.1	1202.9	1213.0	1242.5
40°	1174.6	1133.8	1101.0	1081.8	1063.7	1056.9	1050.1	1055.8	1067.1	1075.0	1097.6
42.5°	1030.9	998.0	975.4	964.1	951.7	942.6	943.7	946.0	951.7	968.6	978.8
45°	905.3	886.0	871.3	869.0	861.1	860.0	858.9	863.4	866.8	877.0	884.9
47.5°	804.5	796.6	793.2	797.8	801.2	796.6	798.9	804.5	811.3	811.3	810.2
50°	725.3	727.6	732.1	742.3	749.1	751.4	753.6	760.4	761.5	763.8	760.4
52.5°	660.8	663.1	675.5	691.4	699.3	702.7	707.2	714.0	714.0	716.3	711.8
55°	595.2	598.6	611.0	626.9	633.7	638.2	642.7	647.3	650.7	655.2	651.8
57.5°	522.8	533.0	540.9	545.4	549.9	553.3	556.7	557.9	564.7	565.8	571.4
60°	445.8	448.1	456.0	454.9	451.5	460.5	456.0	463.9	471.9	482.0	483.2
62.5°	372.3	373.4	379.1	376.8	381.3	380.2	383.6	383.6	389.3	393.8	399.4
65°	314.6	315.7	320.2	320.2	319.1	322.5	325.9	328.2	328.2	331.5	336.1
67.5°	271.6	275.0	279.5	281.8	284.0	284.0	287.4	288.6	290.8	291.9	294.2
70°	242.2	246.7	251.2	253.5	254.6	256.9	258.0	258.0	260.3	261.4	263.7
72.5°	220.7	225.2	228.6	228.6	230.8	232.0	232.0	233.1	234.2	236.5	238.8
75°	202.6	205.9	208.2	207.1	207.1	207.1	208.2	208.2	210.5	212.7	215.0
77.5°	185.6	189.0	189.0	186.7	186.7	186.7	186.7	187.8	189.0	191.2	193.5
80°	173.1	173.1	172.0	172.0	169.7	168.6	168.6	169.7	169.7	172.0	175.4
82.5°	159.6	159.6	158.4	157.3	156.2	155.0	155.0	156.2	157.3	158.4	160.7
85°	147.1	147.1	144.8	144.8	143.7	143.7	143.7	143.7	144.8	146.0	148.2
87.5°	134.7	133.5	132.4	131.3	131.3	131.3	131.3	131.3	132.4	134.7	135.8
90°	122.2	121.1	119.9	119.9	118.8	118.8	119.9	119.9	121.1	122.2	123.3
92.5°	110.9	109.8	108.6	108.6	107.5	107.5	108.6	107.5	109.8	109.8	110.9
95°	100.7	99.6	98.4	98.4	98.4	98.4	98.4	98.4	99.6	99.6	100.7
97.5°	91.7	90.5	89.4	89.4	90.5	89.4	90.5	90.5	90.5	91.7	92.8
100°	83.7	82.6	82.6	83.7	82.6	82.6	83.7	83.7	83.7	83.7	84.9
102.5°	76.9	76.9	76.9	76.9	76.9	76.9	78.1	78.1	78.1	78.1	79.2
105°	70.2	71.3	71.3	71.3	72.4	72.4	72.4	73.6	73.6	73.6	73.6
107.5°	65.6	66.8	66.8	67.9	67.9	69.0	69.0	69.0	69.0	70.2	70.2
110°	61.1	62.2	63.4	64.5	64.5	65.6	65.6	65.6	65.6	65.6	65.6





TEST NUMBER: P290224

CATALOG NUMBER: 8SSRK-LC-50-L830-CD1-U

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	56.6	57.7	58.8	61.1	62.2	62.2	62.2	62.2	63.4	63.4	62.2
115°	52.1	54.3	55.4	57.7	58.8	58.8	60.0	60.0	60.0	60.0	58.8
117.5°	47.5	50.9	52.1	54.3	55.4	55.4	56.6	56.6	56.6	56.6	55.4
120°	44.1	46.4	48.7	49.8	50.9	52.1	52.1	53.2	53.2	53.2	52.1
122.5°	40.7	43.0	45.3	46.4	47.5	48.7	48.7	48.7	48.7	48.7	48.7
125°	36.2	38.5	40.7	41.9	43.0	44.1	44.1	45.3	45.3	45.3	44.1
127.5°	32.8	35.1	36.2	38.5	39.6	39.6	40.7	40.7	40.7	40.7	39.6
130°	28.3	30.6	32.8	33.9	35.1	35.1	36.2	36.2	36.2	36.2	36.2
132.5°	24.9	27.2	28.3	30.6	30.6	31.7	31.7	32.8	32.8	32.8	31.7
135°	22.6	23.8	24.9	27.2	27.2	28.3	28.3	28.3	28.3	28.3	28.3
137.5°	20.4	21.5	22.6	23.8	23.8	24.9	24.9	24.9	24.9	26.0	24.9
140°	17.0	19.2	20.4	20.4	21.5	21.5	21.5	22.6	22.6	22.6	21.5
142.5°	14.7	15.8	17.0	18.1	19.2	19.2	19.2	19.2	20.4	19.2	19.2
145°	11.3	13.6	14.7	15.8	17.0	17.0	17.0	17.0	17.0	17.0	17.0
147.5°	9.1	10.2	12.4	13.6	13.6	14.7	14.7	14.7	14.7	14.7	14.7
150°	7.9	7.9	10.2	11.3	12.4	12.4	12.4	12.4	12.4	12.4	12.4
152.5°	5.7	6.8	7.9	9.1	10.2	10.2	10.2	10.2	10.2	10.2	10.2
155°	5.7	5.7	6.8	6.8	7.9	7.9	7.9	7.9	9.1	7.9	7.9
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: P290224

CATALOG NUMBER: 8SSRK-LC-50-L830-CD1-U

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2190.7	2190.7	2190.7	2190.7	2190.7	2190.7	2190.7	2190.7	2190.7	2190.7	2190.7
2.5°	2181.7	2180.5	2185.1	2180.5	2157.9	2167.0	2163.6	2176.0	2177.1	2180.5	2191.9
5°	2170.4	2170.4	2176.0	2171.5	2150.0	2159.0	2157.9	2170.4	2172.6	2174.9	2187.3
7.5°	2147.7	2148.9	2156.8	2153.4	2130.7	2144.3	2143.2	2157.9	2162.4	2167.0	2178.3
10°	2126.2	2125.1	2134.1	2130.7	2109.2	2125.1	2124.0	2138.7	2145.5	2153.4	2167.0
12.5°	2114.9	2111.5	2114.9	2111.5	2087.7	2100.2	2101.3	2118.3	2126.2	2136.4	2152.2
15°	2114.9	2109.2	2109.2	2102.5	2075.3	2083.2	2084.4	2095.7	2105.9	2116.0	2135.3
17.5°	2112.6	2107.0	2105.9	2100.2	2070.8	2070.8	2069.6	2077.6	2083.2	2093.4	2113.8
20°	2100.2	2097.9	2096.8	2093.4	2066.2	2061.7	2059.5	2059.5	2062.9	2066.2	2086.6
22.5°	2067.4	2069.6	2071.9	2074.2	2052.7	2044.7	2045.9	2043.6	2040.2	2040.2	2057.2
25°	2006.3	2017.6	2026.6	2036.8	2024.4	2018.7	2025.5	2022.1	2016.5	2011.9	2026.6
27.5°	1909.0	1932.7	1952.0	1976.9	1978.0	1973.5	1991.6	1989.3	1988.2	1981.4	1992.7
30°	1774.3	1811.6	1837.7	1873.9	1904.4	1909.0	1939.5	1944.0	1948.6	1945.2	1956.5
32.5°	1611.4	1662.3	1706.4	1763.0	1792.4	1818.4	1861.4	1879.5	1897.6	1903.3	1915.7
35°	1433.7	1491.4	1543.5	1605.7	1652.1	1708.7	1760.7	1787.9	1828.6	1844.5	1862.6
37.5°	1265.1	1319.4	1370.3	1432.6	1507.3	1566.1	1630.6	1691.7	1747.1	1769.8	1796.9
40°	1115.7	1159.9	1208.5	1262.8	1330.7	1407.7	1477.8	1562.7	1628.3	1673.6	1713.2
42.5°	1002.6	1024.1	1065.9	1114.6	1168.9	1247.0	1318.3	1413.3	1492.5	1557.0	1622.7
45°	901.9	912.0	942.6	968.6	1024.1	1093.1	1168.9	1261.7	1344.3	1426.9	1506.1
47.5°	815.9	828.3	843.0	858.9	898.5	956.2	1021.8	1105.5	1188.1	1284.3	1374.9
50°	758.2	761.5	763.8	770.6	794.4	834.0	887.2	958.4	1037.6	1140.6	1236.8
52.5°	707.2	707.2	700.4	697.0	706.1	731.0	761.5	812.5	893.9	989.0	1090.8
55°	652.9	642.7	640.5	629.2	631.4	642.7	657.4	697.0	763.8	845.3	943.7
57.5°	577.1	572.6	572.6	568.0	559.0	564.7	568.0	596.3	643.9	714.0	800.0
60°	490.0	487.7	493.4	494.5	486.6	490.0	488.8	505.8	539.8	596.3	667.6
62.5°	402.8	413.0	414.2	418.7	414.2	413.0	418.7	433.4	450.4	493.4	548.8
65°	338.3	344.0	345.1	350.8	348.5	348.5	353.0	364.4	374.5	404.0	447.0
67.5°	296.5	294.2	295.3	298.7	295.3	294.2	297.6	304.4	312.3	330.4	361.0
70°	263.7	261.4	261.4	261.4	256.9	253.5	254.6	256.9	260.3	270.4	289.7
72.5°	238.8	238.8	235.4	232.0	228.6	226.3	224.1	221.8	220.7	224.1	234.2
75°	216.1	217.3	216.1	212.7	208.2	203.7	199.2	194.6	189.0	186.7	187.8
77.5°	195.8	196.9	198.0	196.9	192.4	186.7	179.9	173.1	165.2	157.3	152.8
80°	177.7	179.9	181.1	179.9	176.5	172.0	164.1	156.2	144.8	134.7	123.3
82.5°	161.8	165.2	166.3	166.3	164.1	159.6	150.5	141.4	129.0	115.4	100.7
85°	149.4	151.6	153.9	153.9	152.8	148.2	139.2	129.0	116.6	100.7	84.9
87.5°	136.9	138.1	140.3	142.6	140.3	135.8	127.9	116.6	104.1	88.3	70.2
90°	124.5	125.6	127.9	130.1	129.0	124.5	117.7	107.5	93.9	76.9	58.8
92.5°	112.0	114.3	115.4	116.6	117.7	114.3	108.6	98.4	84.9	67.9	50.9
95°	103.0	103.0	105.2	106.4	107.5	104.1	99.6	89.4	76.9	61.1	44.1
97.5°	93.9	93.9	96.2	96.2	97.3	95.1	90.5	81.5	69.0	54.3	37.3
100°	84.9	86.0	87.1	88.3	88.3	87.1	82.6	73.6	62.2	48.7	32.8
102.5°	79.2	79.2	80.3	80.3	81.5	79.2	74.7	66.8	55.4	43.0	28.3
105°	73.6	73.6	74.7	74.7	73.6	71.3	66.8	60.0	49.8	37.3	24.9
107.5°	69.0	69.0	69.0	69.0	67.9	65.6	61.1	53.2	44.1	33.9	22.6
110°	65.6	64.5	64.5	63.4	62.2	58.8	54.3	47.5	39.6	29.4	19.2



TEST NUMBER: P290224

CATALOG NUMBER: 8SSRK-LC-50-L830-CD1-U

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	62.2	61.1	60.0	58.8	56.6	53.2	48.7	43.0	35.1	26.0	17.0
115°	58.8	57.7	56.6	54.3	52.1	48.7	44.1	38.5	30.6	22.6	14.7
117.5°	55.4	54.3	52.1	49.8	47.5	44.1	39.6	33.9	27.2	20.4	13.6
120°	50.9	49.8	48.7	46.4	44.1	39.6	35.1	30.6	23.8	18.1	11.3
122.5°	47.5	46.4	44.1	43.0	39.6	36.2	31.7	27.2	21.5	15.8	10.2
125°	43.0	41.9	40.7	38.5	36.2	31.7	28.3	23.8	19.2	13.6	7.9
127.5°	39.6	38.5	36.2	33.9	31.7	28.3	24.9	21.5	17.0	11.3	7.9
130°	35.1	33.9	32.8	30.6	28.3	24.9	22.6	18.1	14.7	10.2	6.8
132.5°	30.6	30.6	29.4	27.2	24.9	22.6	19.2	15.8	12.4	9.1	5.7
135°	28.3	27.2	26.0	23.8	22.6	19.2	17.0	13.6	10.2	7.9	4.5
137.5°	24.9	23.8	22.6	21.5	19.2	17.0	14.7	11.3	9.1	6.8	4.5
140°	21.5	20.4	20.4	18.1	17.0	14.7	12.4	10.2	7.9	5.7	3.4
142.5°	19.2	18.1	17.0	15.8	14.7	12.4	10.2	7.9	6.8	4.5	3.4
145°	17.0	15.8	14.7	13.6	12.4	10.2	9.1	6.8	5.7	4.5	3.4
147.5°	13.6	13.6	12.4	11.3	10.2	9.1	7.9	6.8	4.5	3.4	2.3
150°	11.3	11.3	10.2	9.1	9.1	7.9	6.8	5.7	4.5	3.4	2.3
152.5°	10.2	9.1	9.1	7.9	7.9	6.8	5.7	4.5	3.4	3.4	2.3
155°	7.9	7.9	7.9	6.8	6.8	5.7	4.5	4.5	3.4	2.3	2.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P290224

CATALOG NUMBER: 8SSRK-LC-50-L830-CD1-U

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2190.7	2190.7	2190.7	2190.7	2190.7	2190.7	2190.7	2190.7	2190.7	2190.7	2190.7
2.5°	2194.1	2180.5	2191.9	2212.2	2210.0	2207.7	2205.4	2210.0	2224.7	2216.7	2204.3
5°	2190.7	2177.1	2189.6	2208.8	2207.7	2204.3	2202.0	2206.6	2221.3	2213.4	2199.8
7.5°	2183.9	2171.5	2180.5	2199.8	2199.8	2197.5	2195.2	2199.8	2213.4	2206.6	2193.0
10°	2172.6	2163.6	2172.6	2190.7	2191.9	2187.3	2185.1	2190.7	2204.3	2200.9	2189.6
12.5°	2163.6	2154.5	2164.7	2182.8	2183.9	2179.4	2176.0	2182.8	2200.9	2203.2	2199.8
15°	2151.1	2143.2	2155.6	2174.9	2174.9	2171.5	2171.5	2180.5	2205.4	2215.6	2221.3
17.5°	2133.0	2127.4	2142.1	2161.3	2162.4	2160.2	2161.3	2179.4	2212.2	2237.1	2253.0
20°	2110.4	2108.1	2124.0	2144.3	2147.7	2148.9	2154.5	2181.7	2226.9	2260.9	2276.7
22.5°	2083.2	2084.4	2102.5	2124.0	2128.5	2131.9	2143.2	2181.7	2238.2	2274.5	2281.2
25°	2052.7	2056.1	2075.3	2101.3	2107.0	2113.8	2133.0	2182.8	2241.6	2265.4	2254.1
27.5°	2019.9	2026.6	2051.5	2078.7	2085.5	2096.8	2121.7	2176.0	2225.8	2226.9	2185.1
30°	1985.9	1993.8	2023.2	2054.9	2066.2	2077.6	2108.1	2160.2	2187.3	2151.1	2077.6
32.5°	1947.4	1958.7	1988.2	2026.6	2040.2	2054.9	2085.5	2129.6	2119.4	2041.4	1936.1
35°	1898.8	1914.6	1948.6	1993.8	2006.3	2025.5	2047.0	2057.2	2011.9	1901.0	1782.2
37.5°	1838.8	1862.6	1902.2	1954.2	1967.8	1980.2	1985.9	1957.6	1867.1	1747.1	1623.8
40°	1769.8	1806.0	1849.0	1906.7	1920.3	1920.3	1899.9	1839.9	1725.6	1568.4	1431.4
42.5°	1686.0	1730.2	1784.5	1842.2	1855.8	1839.9	1791.3	1686.0	1555.9	1380.5	1235.7
45°	1584.2	1643.0	1704.1	1764.1	1770.9	1735.8	1648.7	1515.2	1354.5	1191.5	1053.5
47.5°	1463.1	1540.1	1606.8	1674.7	1665.7	1606.8	1490.3	1338.6	1168.9	1015.0	904.1
50°	1327.3	1417.9	1492.5	1557.0	1537.8	1456.3	1319.4	1161.0	992.4	861.1	769.5
52.5°	1182.5	1286.6	1361.3	1413.3	1387.3	1290.0	1139.5	987.9	849.8	729.9	668.8
55°	1032.0	1137.2	1214.2	1254.9	1221.0	1115.7	967.5	829.4	699.3	621.2	585.0
57.5°	886.0	984.5	1056.9	1089.7	1046.7	941.5	804.5	688.0	594.1	528.4	510.3
60°	745.7	826.0	895.1	920.0	873.6	776.3	658.6	565.8	496.8	451.5	442.4
62.5°	615.6	681.2	735.5	754.8	709.5	633.7	531.8	462.8	414.2	391.5	380.2
65°	508.1	546.5	602.0	598.6	571.4	501.3	426.6	377.9	346.3	331.5	324.8
67.5°	399.4	434.5	469.6	474.1	440.2	391.5	342.9	307.8	290.8	282.9	279.5
70°	308.9	334.9	356.4	350.8	332.7	302.1	271.6	252.3	245.6	242.2	242.2
72.5°	239.9	253.5	263.7	256.9	245.6	229.7	215.0	207.1	208.2	210.5	212.7
75°	185.6	189.0	191.2	184.4	182.2	172.0	170.9	172.0	178.8	185.6	189.0
77.5°	142.6	138.1	134.7	127.9	129.0	127.9	133.5	142.6	152.8	162.9	172.0
80°	109.8	99.6	91.7	84.9	88.3	93.9	105.2	118.8	132.4	143.7	155.0
82.5°	84.9	70.2	58.8	52.1	58.8	67.9	82.6	99.6	115.4	127.9	140.3
85°	65.6	48.7	35.1	28.3	35.1	48.7	64.5	83.7	100.7	114.3	126.7
87.5°	50.9	35.1	19.2	11.3	19.2	33.9	52.1	70.2	87.1	103.0	115.4
90°	40.7	23.8	9.1	2.3	10.2	23.8	40.7	58.8	75.8	92.8	105.2
92.5°	32.8	17.0	4.5	0.0	5.7	18.1	33.9	50.9	67.9	83.7	96.2
95°	27.2	13.6	3.4	0.0	4.5	13.6	27.2	44.1	60.0	75.8	86.0
97.5°	22.6	10.2	2.3	0.0	2.3	11.3	22.6	37.3	53.2	67.9	78.1
100°	19.2	9.1	2.3	0.0	2.3	9.1	19.2	32.8	46.4	60.0	70.2
102.5°	15.8	6.8	1.1	1.1	1.1	6.8	17.0	28.3	40.7	53.2	63.4
105°	14.7	5.7	1.1	1.1	1.1	5.7	14.7	24.9	36.2	47.5	56.6
107.5°	12.4	4.5	1.1	1.1	1.1	4.5	12.4	21.5	32.8	43.0	50.9
110°	10.2	4.5	1.1	1.1	1.1	4.5	10.2	19.2	28.3	37.3	45.3



TEST NUMBER: P290224

CATALOG NUMBER: 8SSRK-LC-50-L830-CD1-U

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	9.1	3.4	1.1	1.1	1.1	3.4	9.1	17.0	24.9	33.9	40.7
115°	7.9	3.4	1.1	1.1	1.1	3.4	7.9	14.7	21.5	29.4	36.2
117.5°	6.8	3.4	1.1	1.1	1.1	2.3	6.8	12.4	19.2	26.0	32.8
120°	5.7	2.3	1.1	1.1	1.1	2.3	5.7	11.3	17.0	22.6	28.3
122.5°	5.7	2.3	1.1	1.1	1.1	2.3	4.5	9.1	14.7	19.2	24.9
125°	4.5	2.3	1.1	1.1	1.1	1.1	4.5	7.9	12.4	17.0	21.5
127.5°	4.5	2.3	1.1	1.1	1.1	1.1	3.4	6.8	10.2	14.7	19.2
130°	3.4	2.3	1.1	1.1	1.1	1.1	2.3	5.7	9.1	12.4	15.8
132.5°	3.4	2.3	1.1	1.1	1.1	1.1	2.3	4.5	6.8	10.2	13.6
135°	3.4	1.1	1.1	1.1	1.1	1.1	1.1	3.4	5.7	7.9	10.2
137.5°	2.3	1.1	1.1	1.1	1.1	1.1	1.1	2.3	4.5	5.7	9.1
140°	2.3	1.1	1.1	1.1	1.1	1.1	1.1	2.3	3.4	4.5	6.8
142.5°	2.3	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.3	3.4	5.7
145°	2.3	1.1	1.1	2.3	2.3	1.1	1.1	2.3	2.3	3.4	4.5
147.5°	2.3	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.3	2.3	3.4
150°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	3.4
152.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
155°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P290224

CATALOG NUMBER: 8SSRK-LC-50-L830-CD1-U

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2190.7	2190.7	2190.7	2190.7	2190.7	2190.7	2190.7	2190.7	2190.7	2190.7	2190.7
2.5°	2202.0	2176.0	2189.6	2185.1	2189.6	2200.9	2199.8	2196.4	2198.6	2193.0	2187.3
5°	2197.5	2171.5	2185.1	2179.4	2185.1	2196.4	2194.1	2190.7	2194.1	2187.3	2181.7
7.5°	2191.9	2168.1	2183.9	2182.8	2193.0	2207.7	2208.8	2208.8	2216.7	2206.6	2202.0
10°	2191.9	2179.4	2200.9	2208.8	2234.8	2254.1	2256.3	2260.9	2274.5	2272.2	2260.9
12.5°	2215.6	2213.4	2245.0	2264.3	2288.0	2315.2	2329.9	2334.4	2343.5	2336.7	2332.2
15°	2246.2	2257.5	2292.6	2314.1	2340.1	2360.5	2363.8	2366.1	2372.9	2362.7	2354.8
17.5°	2286.9	2293.7	2322.0	2331.0	2348.0	2351.4	2346.9	2335.6	2335.6	2312.9	2306.1
20°	2306.1	2302.7	2314.1	2299.3	2292.6	2272.2	2253.0	2231.5	2230.3	2206.6	2204.3
22.5°	2289.2	2266.5	2242.8	2206.6	2190.7	2161.3	2135.3	2122.8	2114.9	2084.4	2076.4
25°	2229.2	2173.7	2138.7	2095.7	2057.2	2023.2	1998.4	1972.3	1947.4	1922.5	1911.2
27.5°	2125.1	2073.0	2016.5	1956.5	1903.3	1851.2	1809.4	1783.4	1759.6	1726.8	1709.8
30°	1997.2	1924.8	1862.6	1804.9	1717.7	1654.4	1619.3	1567.2	1549.1	1534.4	1502.7
32.5°	1846.7	1759.6	1674.7	1596.6	1507.3	1448.4	1402.0	1363.5	1352.2	1313.8	1304.7
35°	1680.4	1566.1	1469.9	1393.0	1328.5	1257.2	1218.7	1192.7	1170.0	1144.0	1139.5
37.5°	1484.6	1381.6	1273.0	1205.1	1154.2	1093.1	1063.7	1045.6	1035.4	1016.1	1012.8
40°	1287.7	1184.8	1110.1	1042.2	1010.5	977.7	956.2	948.3	943.7	936.9	930.2
42.5°	1108.9	1018.4	965.2	920.0	906.4	890.5	884.9	889.4	884.9	882.6	881.5
45°	957.3	888.3	850.9	837.4	834.0	829.4	834.0	841.9	843.0	840.8	840.8
47.5°	819.3	786.4	770.6	772.9	778.5	781.9	789.8	800.0	802.3	796.6	798.9
50°	728.7	709.5	706.1	715.2	727.6	732.1	741.2	749.1	748.0	745.7	743.4
52.5°	643.9	638.2	647.3	656.3	669.9	672.2	675.5	678.9	677.8	673.3	671.0
55°	572.6	577.1	585.0	588.4	598.6	597.5	598.6	598.6	594.1	591.8	588.4
57.5°	508.1	509.2	513.7	514.9	520.5	518.3	517.1	514.9	508.1	506.9	503.5
60°	442.4	440.2	450.4	442.4	447.0	442.4	441.3	435.7	428.9	427.7	425.5
62.5°	380.2	375.7	382.5	379.1	381.3	376.8	374.5	367.8	362.1	361.0	359.8
65°	324.8	322.5	329.3	328.2	330.4	324.8	322.5	318.0	313.4	312.3	311.2
67.5°	278.4	284.0	287.4	287.4	289.7	288.6	282.9	281.8	280.6	276.1	276.1
70°	244.4	247.8	254.6	255.7	254.6	256.9	252.3	251.2	250.1	247.8	246.7
72.5°	217.3	221.8	228.6	229.7	228.6	228.6	226.3	225.2	225.2	221.8	221.8
75°	195.8	201.4	207.1	207.1	207.1	204.8	202.6	202.6	200.3	199.2	196.9
77.5°	177.7	184.4	189.0	187.8	186.7	184.4	184.4	181.1	177.7	177.7	175.4
80°	164.1	168.6	172.0	170.9	169.7	166.3	165.2	161.8	159.6	156.2	156.2
82.5°	149.4	155.0	157.3	156.2	153.9	150.5	149.4	147.1	144.8	143.7	141.4
85°	136.9	142.6	143.7	141.4	139.2	136.9	135.8	134.7	133.5	131.3	131.3
87.5°	124.5	130.1	130.1	129.0	126.7	125.6	124.5	123.3	122.2	121.1	119.9
90°	114.3	118.8	118.8	117.7	116.6	115.4	114.3	113.2	112.0	110.9	110.9
92.5°	104.1	108.6	108.6	107.5	106.4	105.2	105.2	104.1	103.0	101.8	100.7
95°	95.1	99.6	99.6	99.6	98.4	97.3	97.3	96.2	95.1	95.1	93.9
97.5°	86.0	90.5	90.5	90.5	89.4	88.3	88.3	87.1	87.1	87.1	86.0
100°	78.1	81.5	82.6	82.6	81.5	81.5	81.5	80.3	80.3	80.3	79.2
102.5°	70.2	73.6	75.8	75.8	75.8	74.7	74.7	74.7	74.7	74.7	73.6
105°	63.4	66.8	69.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
107.5°	57.7	61.1	63.4	64.5	65.6	65.6	66.8	66.8	66.8	66.8	66.8
110°	52.1	55.4	58.8	60.0	61.1	62.2	62.2	63.4	62.2	62.2	62.2



TEST NUMBER: P290224

CATALOG NUMBER: 8SSRK-LC-50-L830-CD1-U

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	46.4	50.9	53.2	55.4	56.6	57.7	58.8	58.8	58.8	58.8	58.8
115°	41.9	46.4	48.7	50.9	53.2	54.3	54.3	55.4	55.4	55.4	54.3
117.5°	37.3	41.9	44.1	46.4	47.5	49.8	50.9	50.9	50.9	50.9	49.8
120°	33.9	37.3	39.6	41.9	44.1	45.3	46.4	46.4	46.4	46.4	46.4
122.5°	29.4	32.8	36.2	38.5	39.6	40.7	41.9	41.9	41.9	41.9	41.9
125°	26.0	29.4	31.7	33.9	35.1	37.3	37.3	37.3	37.3	37.3	37.3
127.5°	22.6	26.0	28.3	30.6	31.7	32.8	33.9	33.9	33.9	33.9	33.9
130°	19.2	22.6	24.9	27.2	28.3	29.4	29.4	30.6	30.6	30.6	30.6
132.5°	17.0	19.2	21.5	23.8	24.9	26.0	26.0	27.2	27.2	27.2	27.2
135°	13.6	17.0	18.1	20.4	21.5	22.6	22.6	23.8	23.8	23.8	23.8
137.5°	11.3	13.6	15.8	18.1	19.2	19.2	20.4	20.4	21.5	21.5	21.5
140°	9.1	10.2	13.6	14.7	15.8	17.0	18.1	18.1	18.1	18.1	18.1
142.5°	6.8	9.1	10.2	12.4	13.6	14.7	15.8	15.8	15.8	15.8	15.8
145°	5.7	6.8	7.9	10.2	11.3	12.4	13.6	13.6	13.6	13.6	13.6
147.5°	4.5	5.7	6.8	7.9	9.1	10.2	11.3	11.3	11.3	11.3	11.3
150°	3.4	4.5	5.7	5.7	6.8	7.9	9.1	10.2	10.2	10.2	10.2
152.5°	3.4	3.4	4.5	4.5	5.7	6.8	7.9	7.9	7.9	7.9	7.9
155°	2.3	3.4	3.4	3.4	4.5	4.5	5.7	6.8	6.8	6.8	6.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P290224

CATALOG NUMBER: 8SSRK-LC-50-L830-CD1-U

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2190.7	2190.7	2190.7	2190.7	2190.7	2190.7	2190.7	2190.7	2190.7	2190.7	2190.7
2.5°	2190.7	2195.2	2193.0	2189.6	2188.5	2194.1	2188.5	2162.4	2172.6	2173.7	2181.7
5°	2187.3	2190.7	2188.5	2186.2	2182.8	2189.6	2182.8	2155.6	2165.8	2167.0	2174.9
7.5°	2210.0	2211.1	2211.1	2205.4	2196.4	2199.8	2190.7	2160.2	2165.8	2165.8	2171.5
10°	2266.5	2268.8	2272.2	2257.5	2246.2	2237.1	2224.7	2187.3	2186.2	2177.1	2177.1
12.5°	2340.1	2334.4	2328.8	2322.0	2312.9	2301.6	2283.5	2239.4	2224.7	2210.0	2195.2
15°	2361.6	2359.3	2358.2	2354.8	2349.1	2345.7	2332.2	2288.0	2266.5	2248.4	2222.4
17.5°	2305.0	2309.5	2324.2	2325.4	2332.2	2345.7	2343.5	2312.9	2293.7	2285.8	2254.1
20°	2203.2	2204.3	2222.4	2230.3	2259.7	2282.4	2299.3	2296.0	2291.4	2300.5	2276.7
22.5°	2081.0	2088.9	2108.1	2120.6	2148.9	2174.9	2202.0	2216.7	2240.5	2277.8	2273.3
25°	1914.6	1924.8	1952.0	1972.3	2011.9	2051.5	2087.7	2113.8	2142.1	2213.4	2237.1
27.5°	1715.5	1731.3	1766.4	1786.7	1842.2	1882.9	1935.0	1985.9	2025.5	2107.0	2155.6
30°	1506.1	1519.7	1557.0	1585.3	1632.9	1688.3	1753.9	1826.4	1892.0	1974.6	2035.7
32.5°	1310.4	1325.1	1355.6	1380.5	1433.7	1480.1	1552.5	1641.9	1703.0	1817.3	1898.8
35°	1139.5	1153.1	1174.6	1196.1	1240.2	1287.7	1350.0	1437.1	1515.2	1634.0	1737.0
37.5°	1019.5	1021.8	1034.3	1046.7	1079.5	1115.7	1164.4	1241.3	1313.8	1441.6	1554.8
40°	933.5	933.5	940.3	943.7	958.4	979.9	1010.5	1070.5	1130.4	1227.8	1365.8
42.5°	880.4	878.1	878.1	879.2	878.1	888.3	906.4	934.7	987.9	1068.2	1175.7
45°	840.8	836.2	832.8	824.9	820.4	820.4	821.5	831.7	862.3	914.3	1001.4
47.5°	796.6	795.5	789.8	780.8	772.9	767.2	758.2	754.8	763.8	793.2	852.1
50°	745.7	740.0	734.4	727.6	718.5	712.9	695.9	697.0	689.1	702.7	733.3
52.5°	671.0	666.5	664.2	658.6	655.2	652.9	639.3	625.8	622.4	624.6	635.9
55°	588.4	590.7	581.6	586.2	585.0	574.8	569.2	559.0	555.6	554.5	560.1
57.5°	502.4	504.7	499.0	503.5	503.5	497.9	494.5	494.5	486.6	479.8	487.7
60°	424.3	419.8	423.2	428.9	428.9	425.5	423.2	423.2	417.5	415.3	420.9
62.5°	361.0	356.4	359.8	365.5	366.6	364.4	362.1	362.1	355.3	355.3	359.8
65°	312.3	313.4	312.3	316.8	316.8	318.0	315.7	313.4	305.5	308.9	307.8
67.5°	277.2	276.1	276.1	280.6	279.5	281.8	279.5	276.1	270.4	265.9	264.8
70°	247.8	246.7	246.7	248.9	250.1	250.1	248.9	246.7	238.8	234.2	230.8
72.5°	221.8	220.7	221.8	222.9	224.1	225.2	224.1	221.8	215.0	209.3	203.7
75°	198.0	196.9	200.3	200.3	201.4	201.4	202.6	201.4	195.8	189.0	182.2
77.5°	174.3	175.4	178.8	179.9	182.2	183.3	184.4	184.4	178.8	173.1	164.1
80°	155.0	157.3	159.6	160.7	162.9	166.3	167.5	168.6	164.1	158.4	148.2
82.5°	141.4	142.6	144.8	146.0	149.4	150.5	151.6	153.9	151.6	146.0	134.7
85°	130.1	131.3	133.5	133.5	135.8	138.1	139.2	140.3	139.2	133.5	122.2
87.5°	119.9	121.1	122.2	123.3	124.5	125.6	126.7	127.9	126.7	121.1	110.9
90°	110.9	110.9	112.0	112.0	113.2	114.3	116.6	116.6	115.4	110.9	100.7
92.5°	100.7	101.8	101.8	103.0	104.1	105.2	106.4	106.4	105.2	100.7	91.7
95°	93.9	93.9	95.1	95.1	96.2	96.2	97.3	97.3	96.2	91.7	82.6
97.5°	86.0	86.0	86.0	86.0	87.1	87.1	88.3	88.3	87.1	82.6	74.7
100°	79.2	79.2	79.2	79.2	79.2	80.3	80.3	80.3	79.2	74.7	66.8
102.5°	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	71.3	67.9	60.0
105°	70.2	70.2	70.2	69.0	69.0	69.0	67.9	67.9	64.5	61.1	54.3
107.5°	65.6	65.6	65.6	64.5	64.5	63.4	62.2	62.2	58.8	55.4	48.7
110°	62.2	62.2	62.2	61.1	60.0	58.8	57.7	56.6	53.2	48.7	43.0





TEST NUMBER: P290224

CATALOG NUMBER: 8SSRK-LC-50-L830-CD1-U

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	58.8	58.8	57.7	57.7	56.6	55.4	53.2	52.1	48.7	44.1	38.5
115°	54.3	54.3	54.3	53.2	52.1	50.9	49.8	47.5	44.1	39.6	33.9
117.5°	49.8	49.8	49.8	48.7	47.5	46.4	45.3	43.0	39.6	35.1	30.6
120°	45.3	45.3	45.3	44.1	43.0	41.9	40.7	38.5	35.1	31.7	26.0
122.5°	41.9	41.9	40.7	39.6	38.5	37.3	36.2	33.9	31.7	27.2	22.6
125°	37.3	37.3	36.2	36.2	35.1	33.9	32.8	30.6	27.2	23.8	20.4
127.5°	33.9	32.8	32.8	32.8	31.7	30.6	28.3	27.2	23.8	20.4	17.0
130°	29.4	29.4	29.4	28.3	28.3	27.2	24.9	22.6	20.4	18.1	14.7
132.5°	26.0	26.0	26.0	26.0	24.9	23.8	21.5	20.4	18.1	14.7	12.4
135°	23.8	23.8	22.6	22.6	21.5	20.4	19.2	17.0	14.7	12.4	10.2
137.5°	20.4	20.4	20.4	19.2	19.2	18.1	15.8	14.7	13.6	11.3	9.1
140°	18.1	18.1	17.0	17.0	15.8	15.8	14.7	12.4	11.3	9.1	7.9
142.5°	15.8	15.8	14.7	14.7	13.6	13.6	12.4	11.3	9.1	7.9	5.7
145°	13.6	13.6	12.4	12.4	12.4	11.3	10.2	9.1	7.9	6.8	5.7
147.5°	11.3	11.3	11.3	10.2	10.2	9.1	9.1	7.9	6.8	5.7	4.5
150°	10.2	10.2	9.1	9.1	9.1	7.9	6.8	6.8	5.7	4.5	3.4
152.5°	7.9	7.9	7.9	7.9	6.8	6.8	5.7	5.7	4.5	3.4	3.4
155°	6.8	6.8	6.8	5.7	5.7	5.7	4.5	4.5	3.4	3.4	2.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P290224

CATALOG NUMBER: 8SSRK-LC-50-L830-CD1-U

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	2190.7	2190.7	2190.7	2190.7	2190.7	2190.7	2190.7
2.5°	2178.3	2177.1	2187.3	2186.2	2172.6	2193.0	2206.6
5°	2172.6	2171.5	2180.5	2182.8	2168.1	2189.6	2204.3
7.5°	2168.1	2167.0	2177.1	2180.5	2165.8	2185.1	2200.9
10°	2169.2	2163.6	2172.6	2174.9	2161.3	2181.7	2195.2
12.5°	2177.1	2163.6	2167.0	2167.0	2154.5	2172.6	2187.3
15°	2196.4	2168.1	2163.6	2160.2	2144.3	2161.3	2176.0
17.5°	2217.9	2179.4	2163.6	2152.2	2133.0	2147.7	2163.6
20°	2239.4	2191.9	2165.8	2147.7	2121.7	2135.3	2146.6
22.5°	2249.6	2203.2	2168.1	2140.9	2108.1	2114.9	2127.4
25°	2236.0	2198.6	2163.6	2130.7	2091.1	2092.3	2102.5
27.5°	2186.2	2176.0	2153.4	2120.6	2077.6	2071.9	2079.8
30°	2101.3	2129.6	2130.7	2107.0	2061.7	2050.4	2053.8
32.5°	1982.5	2045.9	2083.2	2078.7	2039.1	2023.2	2025.5
35°	1845.6	1924.8	2006.3	2033.4	2005.1	1992.7	1988.2
37.5°	1681.5	1787.9	1896.5	1963.3	1958.7	1950.8	1946.3
40°	1500.5	1628.3	1757.3	1863.7	1896.5	1896.5	1898.8
42.5°	1307.0	1456.3	1597.8	1732.4	1809.4	1826.4	1833.1
45°	1120.3	1270.8	1424.6	1579.7	1682.6	1735.8	1755.1
47.5°	950.5	1102.1	1248.1	1417.9	1554.8	1623.8	1654.4
50°	805.7	918.8	1072.7	1241.3	1390.7	1475.6	1535.5
52.5°	685.7	774.0	908.7	1065.9	1216.4	1333.0	1388.4
55°	585.0	645.0	759.3	895.1	1038.8	1159.9	1224.4
57.5°	500.2	547.7	625.8	738.9	860.0	979.9	1049.0
60°	425.5	458.3	511.5	600.9	703.8	806.8	873.6
62.5°	361.0	382.5	417.5	483.2	563.5	643.9	706.1
65°	311.2	320.2	339.5	380.2	441.3	502.4	555.6
67.5°	262.5	268.2	282.9	307.8	338.3	382.5	417.5
70°	226.3	226.3	227.4	242.2	258.0	286.3	311.2
72.5°	196.9	193.5	186.7	190.1	193.5	209.3	225.2
75°	173.1	165.2	153.9	149.4	147.1	149.4	158.4
77.5°	152.8	141.4	127.9	116.6	107.5	104.1	112.0
80°	135.8	122.2	106.4	91.7	76.9	69.0	72.4
82.5°	122.2	105.2	88.3	71.3	54.3	43.0	43.0
85°	107.5	91.7	73.6	55.4	38.5	23.8	21.5
87.5°	97.3	80.3	61.1	44.1	27.2	12.4	6.8
90°	87.1	70.2	52.1	35.1	19.2	5.7	0.0
92.5°	78.1	62.2	45.3	28.3	13.6	3.4	0.0
95°	70.2	55.4	38.5	23.8	11.3	2.3	1.1
97.5°	62.2	48.7	33.9	19.2	7.9	2.3	1.1
100°	56.6	43.0	29.4	15.8	6.8	1.1	1.1
102.5°	49.8	38.5	24.9	13.6	5.7	1.1	1.1
105°	44.1	33.9	21.5	11.3	4.5	1.1	1.1
107.5°	39.6	29.4	19.2	10.2	4.5	1.1	1.1
110°	35.1	26.0	17.0	9.1	3.4	1.1	1.1



TEST NUMBER: P290224

CATALOG NUMBER: 8SSRK-LC-50-L830-CD1-U

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	31.7	22.6	14.7	7.9	2.3	1.1	1.1
115°	27.2	20.4	12.4	6.8	2.3	1.1	1.1
117.5°	23.8	17.0	11.3	5.7	2.3	1.1	1.1
120°	20.4	14.7	9.1	4.5	1.1	1.1	1.1
122.5°	18.1	12.4	7.9	4.5	1.1	1.1	1.1
125°	15.8	11.3	6.8	3.4	1.1	1.1	1.1
127.5°	13.6	9.1	5.7	2.3	1.1	1.1	1.1
130°	11.3	7.9	4.5	2.3	1.1	1.1	1.1
132.5°	9.1	6.8	4.5	2.3	1.1	1.1	1.1
135°	7.9	5.7	3.4	2.3	1.1	1.1	1.1
137.5°	6.8	4.5	2.3	2.3	2.3	1.1	1.1
140°	5.7	3.4	2.3	2.3	2.3	2.3	1.1
142.5°	4.5	3.4	2.3	2.3	2.3	2.3	1.1
145°	3.4	2.3	2.3	2.3	2.3	2.3	1.1
147.5°	3.4	2.3	2.3	2.3	2.3	2.3	1.1
150°	2.3	2.3	2.3	2.3	2.3	2.3	2.3
152.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3
155°	2.3	2.3	2.3	2.3	2.3	2.3	2.3
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)