

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: P290226

Luminaire Tested: **8SSRK-LC-50-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: P290226
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-L840-CD1-U
Description: 5000 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: 5402.7 lumens
Efficiency: N/A
Efficacy: 158.0 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

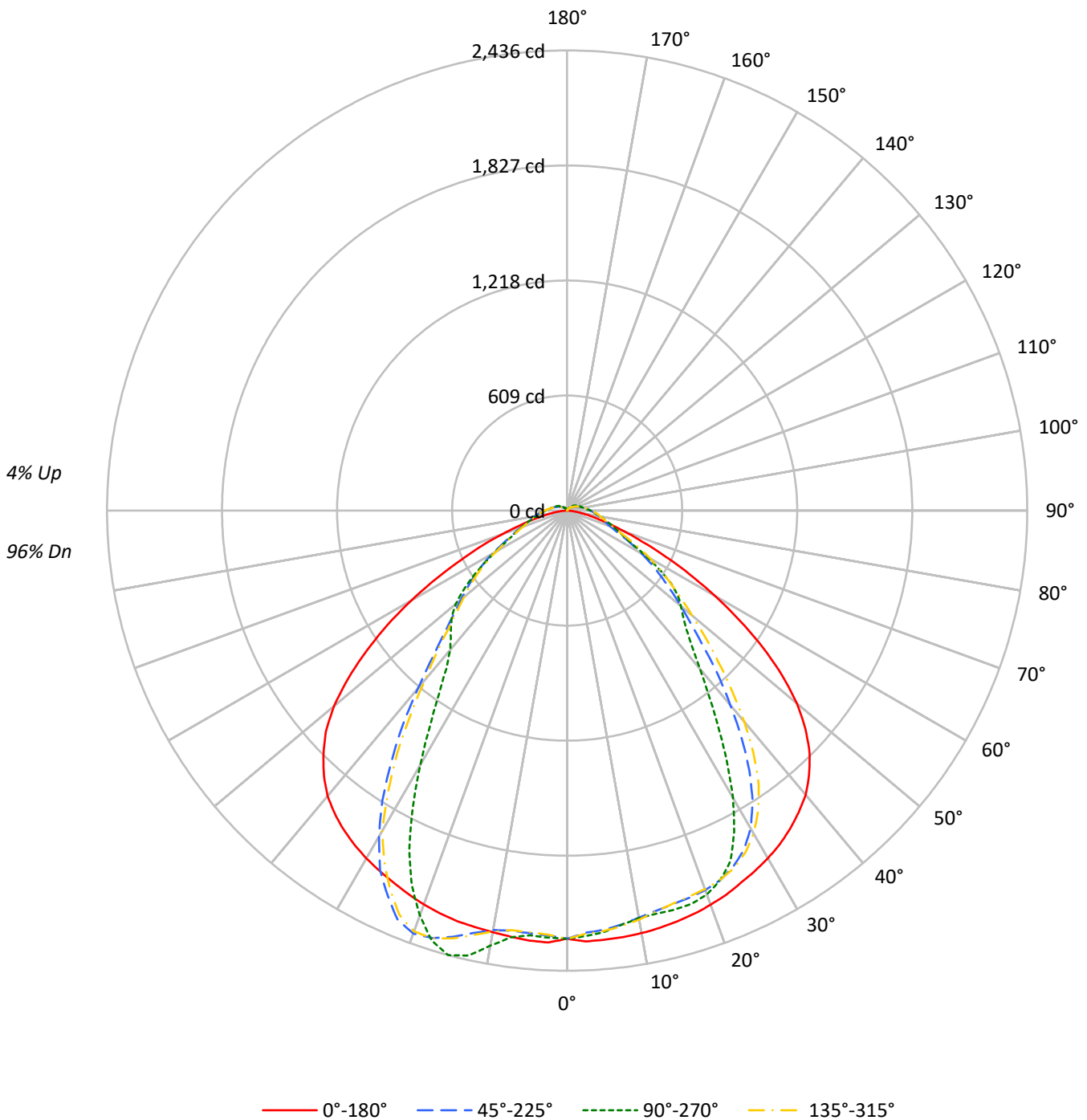
Input Watts (W): 34.1991
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: 8SSRK-LC-50-L840-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°	73182	73182	73182	73182
5°	73781	53772	73933	54192
10°	74193	42113	74039	44972
15°	74838	35304	74798	39308
20°	75734	30270	75656	31907
25°	76749	25445	76707	24587
30°	78282	19770	78323	17516
35°	79915	14448	80140	12226
40°	81380	10568	81719	9311
45°	81221	8158	81642	7944
50°	77868	6852	78961	6700
55°	69247	5616	70975	5105
60°	56331	3909	59323	3585
65°	42041	2708	45296	2568
70°	28746	2102	32408	2010
75°	18974	1687	22088	1596
80°	12457	1379	14602	1268
85°	6643	1179	8768	1077



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.3	4.0
10°-20°	640.5	11.9
20°-30°	973.8	18.0
30°-40°	1044.6	19.3
40°-50°	906.6	16.8
50°-60°	671.9	12.4
60°-70°	385.0	7.1
70°-80°	213.2	3.9
80°-90°	129.8	2.4
90°-100°	84.4	1.6
100°-110°	56.5	1.0
110°-120°	38.2	0.7
120°-130°	23.4	0.4
130°-140°	12.3	0.2
140°-150°	5.6	0.1
150°-160°	1.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1829.5	33.9
0°-40°	2874.1	53.2
0°-60°	4452.6	82.4
0°-90°	5180.6	95.9
90°-120°	179.1	3.3
90°-150°	220.5	4.1
90°-180°	222.0	4.1
0°-180°	5402.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2266	2266	2266	2266	2266	
5°	2280	2239	2285	2257	2280	217
15°	2251	2188	2250	2436	2251	637
25°	2175	2046	2174	1977	2175	1005
35°	2057	1393	2063	1179	2057	1287
45°	1816	893	1825	870	1816	1390
55°	1267	670	1298	609	1267	1123
65°	575	340	619	322	575	579
75°	164	215	191	204	164	187
85°	22	149	29	136	22	29
90°	0	124	2	115	0	1
95°	1	102	0	97	1	1
105°	1	76	1	73	1	1
115°	1	62	1	56	1	1
125°	1	47	1	39	1	1
135°	1	29	1	25	1	1
145°	1	18	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°	2266.3	2266.3	2266.3	2266.3	2266.3	2266.3	2266.3	2266.3	2266.3	2266.3	2266.3
2.5°	2282.7	2276.8	2274.5	2269.8	2273.3	2287.4	2278.0	2262.8	2264.0	2237.0	2251.1
5°	2280.3	2273.3	2269.8	2265.1	2267.5	2280.3	2271.0	2255.8	2254.6	2227.7	2240.5
7.5°	2276.8	2269.8	2264.0	2260.4	2261.6	2272.2	2260.4	2242.9	2239.4	2210.1	2221.8
10°	2271.0	2266.3	2258.1	2252.3	2251.1	2262.8	2244.1	2226.5	2218.3	2187.9	2199.6
12.5°	2262.8	2255.8	2247.6	2237.0	2235.9	2242.9	2227.7	2203.1	2194.9	2170.3	2183.2
15°	2251.1	2242.9	2233.5	2221.8	2216.0	2220.6	2201.9	2179.7	2178.5	2157.4	2175.0
17.5°	2238.2	2226.5	2216.0	2199.6	2191.4	2194.9	2179.7	2159.8	2162.1	2149.2	2169.1
20°	2220.6	2207.8	2191.4	2175.0	2163.3	2169.1	2158.6	2143.4	2146.9	2137.5	2155.1
22.5°	2200.7	2183.2	2163.3	2144.6	2135.2	2143.4	2135.2	2122.3	2123.5	2117.6	2128.2
25°	2175.0	2155.1	2131.7	2108.3	2103.6	2109.4	2104.8	2094.2	2089.5	2080.2	2084.9
27.5°	2151.6	2129.3	2100.1	2075.5	2067.3	2079.0	2068.5	2050.9	2038.0	2025.2	2015.8
30°	2124.7	2097.7	2065.0	2036.9	2029.8	2034.5	2019.3	1992.4	1958.4	1942.0	1916.3
32.5°	2095.4	2060.3	2019.3	1987.7	1983.0	1979.5	1951.4	1912.8	1860.1	1827.3	1787.5
35°	2056.8	2018.1	1969.0	1930.3	1923.3	1903.4	1857.8	1806.2	1738.4	1682.2	1614.3
37.5°	2013.4	1967.8	1916.3	1864.8	1844.9	1805.1	1740.7	1686.8	1583.8	1515.9	1434.0
40°	1964.3	1909.3	1846.1	1784.0	1751.2	1686.8	1613.1	1533.5	1434.0	1342.7	1273.6
42.5°	1896.4	1837.9	1762.9	1693.9	1637.7	1552.2	1465.6	1353.2	1261.9	1184.7	1114.4
45°	1815.6	1745.4	1658.8	1575.6	1504.2	1402.4	1300.5	1188.2	1112.1	1021.9	973.9
47.5°	1711.4	1635.3	1542.9	1450.4	1356.7	1244.4	1137.8	1030.1	954.0	889.7	854.5
50°	1588.5	1518.3	1416.4	1306.4	1203.4	1086.3	979.8	899.0	825.3	785.5	758.6
52.5°	1436.3	1370.8	1266.6	1147.2	1047.7	933.0	835.8	770.3	717.6	688.3	679.0
55°	1266.6	1209.2	1106.2	995.0	893.2	787.8	714.1	656.7	622.8	605.2	606.4
57.5°	1085.2	1040.7	943.5	844.0	748.0	668.4	601.7	556.0	530.3	529.1	532.6
60°	903.7	870.9	786.6	701.2	616.9	552.5	503.4	471.8	455.4	456.5	455.4
62.5°	730.5	700.0	639.2	568.9	502.2	458.9	414.4	401.5	387.5	386.3	386.3
65°	574.8	551.4	502.2	451.9	401.5	373.4	351.2	336.0	325.4	323.1	324.3
67.5°	432.0	422.6	388.6	354.7	323.1	305.5	286.8	283.3	275.1	275.1	277.4
70°	321.9	314.9	296.2	276.3	263.4	251.7	242.3	242.3	241.1	240.0	245.8
72.5°	233.0	234.1	228.3	213.1	211.9	209.5	207.2	210.7	211.9	215.4	222.4
75°	163.9	167.4	167.4	165.1	169.7	175.6	179.1	185.0	192.0	196.7	204.9
77.5°	115.9	115.9	121.7	128.8	138.1	148.7	158.0	166.2	175.6	181.4	188.5
80°	74.9	78.4	87.8	100.7	113.5	127.6	140.5	151.0	160.4	169.7	174.4
82.5°	44.5	50.3	62.0	78.4	94.8	112.4	125.3	138.1	148.7	158.0	161.5
85°	22.2	30.4	44.5	62.0	79.6	98.3	114.7	126.4	138.1	146.3	151.0
87.5°	7.0	16.4	31.6	48.0	66.7	85.5	103.0	115.9	126.4	133.4	138.1
90°	0.0	8.2	22.2	39.8	57.4	76.1	92.5	106.5	117.1	122.9	126.4
92.5°	0.0	4.7	17.6	32.8	49.2	67.9	84.3	97.2	106.5	112.4	114.7
95°	1.2	3.5	12.9	26.9	43.3	60.9	76.1	87.8	97.2	103.0	104.2
97.5°	1.2	2.3	10.5	22.2	37.5	53.8	69.1	80.8	87.8	93.6	94.8
100°	1.2	2.3	8.2	19.9	32.8	48.0	62.0	72.6	80.8	85.5	86.6
102.5°	1.2	1.2	7.0	16.4	29.3	42.1	55.0	65.6	72.6	77.3	79.6
105°	1.2	1.2	5.9	14.0	25.8	37.5	49.2	59.7	65.6	70.2	72.6
107.5°	1.2	1.2	4.7	11.7	22.2	32.8	44.5	52.7	59.7	64.4	66.7
110°	1.2	1.2	3.5	10.5	18.7	29.3	38.6	46.8	53.8	58.5	60.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1.2	1.2	3.5	9.4	16.4	25.8	33.9	42.1	48.0	52.7	56.2
115°	1.2	1.2	3.5	8.2	15.2	22.2	30.4	37.5	43.3	48.0	51.5
117.5°	1.2	1.2	3.5	7.0	12.9	19.9	26.9	33.9	38.6	43.3	46.8
120°	1.2	1.2	2.3	5.9	11.7	17.6	23.4	29.3	35.1	39.8	43.3
122.5°	1.2	1.2	2.3	5.9	9.4	15.2	21.1	25.8	31.6	35.1	38.6
125°	1.2	1.2	2.3	4.7	8.2	14.0	18.7	23.4	26.9	31.6	35.1
127.5°	1.2	1.2	2.3	4.7	7.0	11.7	16.4	21.1	24.6	28.1	30.4
130°	1.2	1.2	2.3	3.5	5.9	9.4	14.0	17.6	22.2	24.6	26.9
132.5°	1.2	1.2	1.2	3.5	4.7	7.0	10.5	15.2	18.7	22.2	23.4
135°	1.2	1.2	1.2	2.3	4.7	5.9	8.2	11.7	15.2	18.7	21.1
137.5°	1.2	1.2	1.2	2.3	3.5	5.9	7.0	9.4	12.9	15.2	18.7
140°	1.2	1.2	1.2	2.3	3.5	4.7	5.9	8.2	10.5	12.9	15.2
142.5°	1.2	1.2	1.2	2.3	2.3	3.5	4.7	7.0	8.2	10.5	12.9
145°	1.2	1.2	1.2	2.3	2.3	3.5	4.7	5.9	7.0	8.2	10.5
147.5°	1.2	1.2	1.2	2.3	2.3	2.3	3.5	4.7	5.9	7.0	8.2
150°	2.3	2.3	2.3	2.3	2.3	2.3	3.5	3.5	4.7	5.9	7.0
152.5°	2.3	2.3	2.3	2.3	2.3	2.3	3.5	3.5	3.5	4.7	5.9
155°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	3.5	3.5	4.7	4.7
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°	2266.3	2266.3	2266.3	2266.3	2266.3	2266.3	2266.3	2266.3	2266.3	2266.3	2266.3
2.5°	2246.4	2248.7	2262.8	2261.6	2259.3	2256.9	2256.9	2254.6	2256.9	2262.8	2260.4
5°	2234.7	2238.2	2248.7	2247.6	2245.2	2244.1	2242.9	2239.4	2241.7	2249.9	2247.6
7.5°	2213.6	2217.1	2226.5	2221.8	2218.3	2220.6	2214.8	2211.3	2216.0	2224.2	2223.0
10°	2191.4	2193.7	2205.4	2203.1	2197.2	2198.4	2192.6	2190.2	2196.1	2200.7	2201.9
12.5°	2176.2	2184.4	2194.9	2193.7	2192.6	2193.7	2187.9	2185.5	2189.0	2193.7	2192.6
15°	2172.7	2183.2	2194.9	2194.9	2196.1	2197.2	2191.4	2187.9	2191.4	2194.9	2193.7
17.5°	2169.1	2182.0	2192.6	2191.4	2192.6	2194.9	2185.5	2183.2	2187.9	2192.6	2190.2
20°	2157.4	2169.1	2176.2	2173.8	2173.8	2175.0	2163.3	2163.3	2170.3	2173.8	2175.0
22.5°	2124.7	2138.7	2138.7	2132.8	2132.8	2128.2	2124.7	2117.6	2125.8	2131.7	2136.4
25°	2075.5	2081.3	2074.3	2061.4	2054.4	2048.6	2032.2	2046.2	2046.2	2063.8	2069.6
27.5°	2006.4	1993.5	1973.6	1946.7	1940.9	1922.1	1911.6	1915.1	1921.0	1945.6	1964.3
30°	1892.9	1854.2	1820.3	1808.6	1782.8	1764.1	1745.4	1754.7	1765.3	1779.3	1818.0
32.5°	1743.0	1705.6	1650.6	1630.7	1603.7	1580.3	1558.1	1572.1	1590.9	1600.2	1642.4
35°	1571.0	1526.5	1476.1	1442.2	1414.1	1401.2	1373.1	1393.0	1412.9	1419.9	1456.2
37.5°	1388.3	1342.7	1298.2	1268.9	1242.0	1233.8	1215.1	1229.1	1244.4	1254.9	1285.3
40°	1215.1	1173.0	1139.0	1119.1	1100.4	1093.3	1086.3	1092.2	1103.9	1112.1	1135.5
42.5°	1066.4	1032.5	1009.1	997.4	984.5	975.1	976.3	978.6	984.5	1002.0	1012.6
45°	936.5	916.6	901.4	899.0	890.8	889.7	888.5	893.2	896.7	907.2	915.4
47.5°	832.3	824.1	820.6	825.3	828.8	824.1	826.4	832.3	839.3	839.3	838.2
50°	750.4	752.7	757.4	767.9	774.9	777.3	779.6	786.6	787.8	790.2	786.6
52.5°	683.6	686.0	698.9	715.2	723.4	726.9	731.6	738.7	738.7	741.0	736.3
55°	615.7	619.3	632.1	648.5	655.5	660.2	664.9	669.6	673.1	677.8	674.3
57.5°	540.8	551.4	559.6	564.2	568.9	572.4	575.9	577.1	584.1	585.3	591.2
60°	461.2	463.6	471.8	470.6	467.1	476.4	471.8	479.9	488.1	498.7	499.9
62.5°	385.1	386.3	392.2	389.8	394.5	393.3	396.8	396.8	402.7	407.4	413.2
65°	325.4	326.6	331.3	331.3	330.1	333.6	337.1	339.5	339.5	343.0	347.7
67.5°	280.9	284.5	289.1	291.5	293.8	293.8	297.3	298.5	300.8	302.0	304.4
70°	250.5	255.2	259.9	262.2	263.4	265.7	266.9	266.9	269.2	270.4	272.8
72.5°	228.3	233.0	236.5	236.5	238.8	240.0	240.0	241.1	242.3	244.7	247.0
75°	209.5	213.1	215.4	214.2	214.2	214.2	215.4	215.4	217.7	220.1	222.4
77.5°	192.0	195.5	195.5	193.2	193.2	193.2	193.2	194.3	195.5	197.8	200.2
80°	179.1	179.1	177.9	177.9	175.6	174.4	174.4	175.6	175.6	177.9	181.4
82.5°	165.1	165.1	163.9	162.7	161.5	160.4	160.4	161.5	162.7	163.9	166.2
85°	152.2	152.2	149.8	149.8	148.7	148.7	148.7	148.7	149.8	151.0	153.3
87.5°	139.3	138.1	137.0	135.8	135.8	135.8	135.8	135.8	137.0	139.3	140.5
90°	126.4	125.3	124.1	124.1	122.9	122.9	124.1	124.1	125.3	126.4	127.6
92.5°	114.7	113.5	112.4	112.4	111.2	111.2	112.4	111.2	113.5	113.5	114.7
95°	104.2	103.0	101.8	101.8	101.8	101.8	101.8	101.8	103.0	103.0	104.2
97.5°	94.8	93.6	92.5	92.5	93.6	92.5	93.6	93.6	93.6	94.8	96.0
100°	86.6	85.5	85.5	86.6	85.5	85.5	86.6	86.6	86.6	86.6	87.8
102.5°	79.6	79.6	79.6	79.6	79.6	79.6	80.8	80.8	80.8	80.8	81.9
105°	72.6	73.7	73.7	73.7	74.9	74.9	74.9	76.1	76.1	76.1	76.1
107.5°	67.9	69.1	69.1	70.2	70.2	71.4	71.4	71.4	71.4	72.6	72.6
110°	63.2	64.4	65.6	66.7	66.7	67.9	67.9	67.9	67.9	67.9	67.9



TEST NUMBER: P290226

CATALOG NUMBER: 8SSRK-LC-50-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	58.5	59.7	60.9	63.2	64.4	64.4	64.4	64.4	65.6	65.6	64.4
115°	53.8	56.2	57.4	59.7	60.9	60.9	62.0	62.0	62.0	62.0	60.9
117.5°	49.2	52.7	53.8	56.2	57.4	57.4	58.5	58.5	58.5	58.5	57.4
120°	45.7	48.0	50.3	51.5	52.7	53.8	53.8	55.0	55.0	55.0	53.8
122.5°	42.1	44.5	46.8	48.0	49.2	50.3	50.3	50.3	50.3	50.3	50.3
125°	37.5	39.8	42.1	43.3	44.5	45.7	45.7	46.8	46.8	46.8	45.7
127.5°	33.9	36.3	37.5	39.8	41.0	41.0	42.1	42.1	42.1	42.1	41.0
130°	29.3	31.6	33.9	35.1	36.3	36.3	37.5	37.5	37.5	37.5	37.5
132.5°	25.8	28.1	29.3	31.6	31.6	32.8	32.8	33.9	33.9	33.9	32.8
135°	23.4	24.6	25.8	28.1	28.1	29.3	29.3	29.3	29.3	29.3	29.3
137.5°	21.1	22.2	23.4	24.6	24.6	25.8	25.8	25.8	25.8	26.9	25.8
140°	17.6	19.9	21.1	21.1	22.2	22.2	22.2	23.4	23.4	23.4	22.2
142.5°	15.2	16.4	17.6	18.7	19.9	19.9	19.9	19.9	21.1	19.9	19.9
145°	11.7	14.0	15.2	16.4	17.6	17.6	17.6	17.6	17.6	17.6	17.6
147.5°	9.4	10.5	12.9	14.0	14.0	15.2	15.2	15.2	15.2	15.2	15.2
150°	8.2	8.2	10.5	11.7	12.9	12.9	12.9	12.9	12.9	12.9	12.9
152.5°	5.9	7.0	8.2	9.4	10.5	10.5	10.5	10.5	10.5	10.5	10.5
155°	5.9	5.9	7.0	7.0	8.2	8.2	8.2	8.2	9.4	8.2	8.2
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: P290226

CATALOG NUMBER: 8SSRK-LC-50-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2266.3	2266.3	2266.3	2266.3	2266.3	2266.3	2266.3	2266.3	2266.3	2266.3	2266.3
2.5°	2256.9	2255.8	2260.4	2255.8	2232.4	2241.7	2238.2	2251.1	2252.3	2255.8	2267.5
5°	2245.2	2245.2	2251.1	2246.4	2224.2	2233.5	2232.4	2245.2	2247.6	2249.9	2262.8
7.5°	2221.8	2223.0	2231.2	2227.7	2204.3	2218.3	2217.1	2232.4	2237.0	2241.7	2253.4
10°	2199.6	2198.4	2207.8	2204.3	2182.0	2198.4	2197.2	2212.5	2219.5	2227.7	2241.7
12.5°	2187.9	2184.4	2187.9	2184.4	2159.8	2172.7	2173.8	2191.4	2199.6	2210.1	2226.5
15°	2187.9	2182.0	2182.0	2175.0	2146.9	2155.1	2156.3	2168.0	2178.5	2189.0	2208.9
17.5°	2185.5	2179.7	2178.5	2172.7	2142.2	2142.2	2141.0	2149.2	2155.1	2165.6	2186.7
20°	2172.7	2170.3	2169.1	2165.6	2137.5	2132.8	2130.5	2130.5	2134.0	2137.5	2158.6
22.5°	2138.7	2141.0	2143.4	2145.7	2123.5	2115.3	2116.5	2114.1	2110.6	2110.6	2128.2
25°	2075.5	2087.2	2096.6	2107.1	2094.2	2088.4	2095.4	2091.9	2086.0	2081.3	2096.6
27.5°	1974.8	1999.4	2019.3	2045.1	2046.2	2041.5	2060.3	2057.9	2056.8	2049.7	2061.4
30°	1835.5	1874.1	1901.1	1938.5	1970.1	1974.8	2006.4	2011.1	2015.8	2012.3	2024.0
32.5°	1666.9	1719.6	1765.3	1823.8	1854.2	1881.2	1925.7	1944.4	1963.1	1969.0	1981.8
35°	1483.2	1542.9	1596.7	1661.1	1709.1	1767.6	1821.5	1849.6	1891.7	1908.1	1926.8
37.5°	1308.7	1364.9	1417.6	1482.0	1559.3	1620.1	1686.8	1750.1	1807.4	1830.8	1858.9
40°	1154.2	1199.9	1250.2	1306.4	1376.6	1456.2	1528.8	1616.6	1684.5	1731.3	1772.3
42.5°	1037.2	1059.4	1102.7	1153.0	1209.2	1290.0	1363.8	1462.1	1544.0	1610.8	1678.7
45°	933.0	943.5	975.1	1002.0	1059.4	1130.8	1209.2	1305.2	1390.7	1476.1	1558.1
47.5°	844.0	856.9	872.1	888.5	929.5	989.2	1057.1	1143.7	1229.1	1328.6	1422.3
50°	784.3	787.8	790.2	797.2	821.8	862.7	917.8	991.5	1073.4	1180.0	1279.5
52.5°	731.6	731.6	724.6	721.1	730.5	756.2	787.8	840.5	924.8	1023.1	1128.5
55°	675.4	664.9	662.6	650.9	653.2	664.9	680.1	721.1	790.2	874.4	976.3
57.5°	597.0	592.3	592.3	587.6	578.3	584.1	587.6	616.9	666.1	738.7	827.6
60°	506.9	504.5	510.4	511.6	503.4	506.9	505.7	523.3	558.4	616.9	690.7
62.5°	416.7	427.3	428.4	433.1	428.4	427.3	433.1	448.3	465.9	510.4	567.7
65°	350.0	355.9	357.0	362.9	360.5	360.5	365.2	376.9	387.5	417.9	462.4
67.5°	306.7	304.4	305.5	309.0	305.5	304.4	307.9	314.9	323.1	341.8	373.4
70°	272.8	270.4	270.4	270.4	265.7	262.2	263.4	265.7	269.2	279.8	299.7
72.5°	247.0	247.0	243.5	240.0	236.5	234.1	231.8	229.4	228.3	231.8	242.3
75°	223.6	224.8	223.6	220.1	215.4	210.7	206.0	201.3	195.5	193.2	194.3
77.5°	202.5	203.7	204.9	203.7	199.0	193.2	186.1	179.1	170.9	162.7	158.0
80°	183.8	186.1	187.3	186.1	182.6	177.9	169.7	161.5	149.8	139.3	127.6
82.5°	167.4	170.9	172.1	172.1	169.7	165.1	155.7	146.3	133.4	119.4	104.2
85°	154.5	156.9	159.2	159.2	158.0	153.3	144.0	133.4	120.6	104.2	87.8
87.5°	141.6	142.8	145.2	147.5	145.2	140.5	132.3	120.6	107.7	91.3	72.6
90°	128.8	129.9	132.3	134.6	133.4	128.8	121.7	111.2	97.2	79.6	60.9
92.5°	115.9	118.2	119.4	120.6	121.7	118.2	112.4	101.8	87.8	70.2	52.7
95°	106.5	106.5	108.9	110.0	111.2	107.7	103.0	92.5	79.6	63.2	45.7
97.5°	97.2	97.2	99.5	99.5	100.7	98.3	93.6	84.3	71.4	56.2	38.6
100°	87.8	89.0	90.1	91.3	91.3	90.1	85.5	76.1	64.4	50.3	33.9
102.5°	81.9	81.9	83.1	83.1	84.3	81.9	77.3	69.1	57.4	44.5	29.3
105°	76.1	76.1	77.3	77.3	76.1	73.7	69.1	62.0	51.5	38.6	25.8
107.5°	71.4	71.4	71.4	71.4	70.2	67.9	63.2	55.0	45.7	35.1	23.4
110°	67.9	66.7	66.7	65.6	64.4	60.9	56.2	49.2	41.0	30.4	19.9



TEST NUMBER: P290226

CATALOG NUMBER: 8SSRK-LC-50-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	64.4	63.2	62.0	60.9	58.5	55.0	50.3	44.5	36.3	26.9	17.6
115°	60.9	59.7	58.5	56.2	53.8	50.3	45.7	39.8	31.6	23.4	15.2
117.5°	57.4	56.2	53.8	51.5	49.2	45.7	41.0	35.1	28.1	21.1	14.0
120°	52.7	51.5	50.3	48.0	45.7	41.0	36.3	31.6	24.6	18.7	11.7
122.5°	49.2	48.0	45.7	44.5	41.0	37.5	32.8	28.1	22.2	16.4	10.5
125°	44.5	43.3	42.1	39.8	37.5	32.8	29.3	24.6	19.9	14.0	8.2
127.5°	41.0	39.8	37.5	35.1	32.8	29.3	25.8	22.2	17.6	11.7	8.2
130°	36.3	35.1	33.9	31.6	29.3	25.8	23.4	18.7	15.2	10.5	7.0
132.5°	31.6	31.6	30.4	28.1	25.8	23.4	19.9	16.4	12.9	9.4	5.9
135°	29.3	28.1	26.9	24.6	23.4	19.9	17.6	14.0	10.5	8.2	4.7
137.5°	25.8	24.6	23.4	22.2	19.9	17.6	15.2	11.7	9.4	7.0	4.7
140°	22.2	21.1	21.1	18.7	17.6	15.2	12.9	10.5	8.2	5.9	3.5
142.5°	19.9	18.7	17.6	16.4	15.2	12.9	10.5	8.2	7.0	4.7	3.5
145°	17.6	16.4	15.2	14.0	12.9	10.5	9.4	7.0	5.9	4.7	3.5
147.5°	14.0	14.0	12.9	11.7	10.5	9.4	8.2	7.0	4.7	3.5	2.3
150°	11.7	11.7	10.5	9.4	9.4	8.2	7.0	5.9	4.7	3.5	2.3
152.5°	10.5	9.4	9.4	8.2	8.2	7.0	5.9	4.7	3.5	3.5	2.3
155°	8.2	8.2	8.2	7.0	7.0	5.9	4.7	4.7	3.5	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: P290226

CATALOG NUMBER: 8SSRK-LC-50-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2266.3	2266.3	2266.3	2266.3	2266.3	2266.3	2266.3	2266.3	2266.3	2266.3	2266.3
2.5°	2269.8	2255.8	2267.5	2288.5	2286.2	2283.9	2281.5	2286.2	2301.4	2293.2	2280.3
5°	2266.3	2252.3	2265.1	2285.0	2283.9	2280.3	2278.0	2282.7	2297.9	2289.7	2275.7
7.5°	2259.3	2246.4	2255.8	2275.7	2275.7	2273.3	2271.0	2275.7	2289.7	2282.7	2268.6
10°	2247.6	2238.2	2247.6	2266.3	2267.5	2262.8	2260.4	2266.3	2280.3	2276.8	2265.1
12.5°	2238.2	2228.8	2239.4	2258.1	2259.3	2254.6	2251.1	2258.1	2276.8	2279.2	2275.7
15°	2225.3	2217.1	2230.0	2249.9	2249.9	2246.4	2246.4	2255.8	2281.5	2292.1	2297.9
17.5°	2206.6	2200.7	2216.0	2235.9	2237.0	2234.7	2235.9	2254.6	2288.5	2314.3	2330.7
20°	2183.2	2180.8	2197.2	2218.3	2221.8	2223.0	2228.8	2256.9	2303.8	2338.9	2355.3
22.5°	2155.1	2156.3	2175.0	2197.2	2201.9	2205.4	2217.1	2256.9	2315.5	2352.9	2359.9
25°	2123.5	2127.0	2146.9	2173.8	2179.7	2186.7	2206.6	2258.1	2319.0	2343.6	2331.9
27.5°	2089.5	2096.6	2122.3	2150.4	2157.4	2169.1	2194.9	2251.1	2302.6	2303.8	2260.4
30°	2054.4	2062.6	2093.0	2125.8	2137.5	2149.2	2180.8	2234.7	2262.8	2225.3	2149.2
32.5°	2014.6	2026.3	2056.8	2096.6	2110.6	2125.8	2157.4	2203.1	2192.6	2111.8	2002.9
35°	1964.3	1980.7	2015.8	2062.6	2075.5	2095.4	2117.6	2128.2	2081.3	1966.6	1843.7
37.5°	1902.2	1926.8	1967.8	2021.6	2035.7	2048.6	2054.4	2025.2	1931.5	1807.4	1679.8
40°	1830.8	1868.3	1912.8	1972.5	1986.5	1986.5	1965.5	1903.4	1785.2	1622.5	1480.8
42.5°	1744.2	1789.9	1846.1	1905.8	1919.8	1903.4	1853.1	1744.2	1609.6	1428.1	1278.3
45°	1638.9	1699.7	1762.9	1825.0	1832.0	1795.7	1705.6	1567.4	1401.2	1232.7	1089.8
47.5°	1513.6	1593.2	1662.3	1732.5	1723.1	1662.3	1541.7	1384.8	1209.2	1050.0	935.3
50°	1373.1	1466.8	1544.0	1610.8	1590.9	1506.6	1364.9	1201.0	1026.6	890.8	796.0
52.5°	1223.3	1331.0	1408.2	1462.1	1435.2	1334.5	1178.8	1021.9	879.1	755.0	691.8
55°	1067.6	1176.5	1256.1	1298.2	1263.1	1154.2	1000.9	858.1	723.4	642.7	605.2
57.5°	916.6	1018.4	1093.3	1127.3	1082.8	973.9	832.3	711.7	614.6	546.7	527.9
60°	771.4	854.5	926.0	951.7	903.7	803.0	681.3	585.3	513.9	467.1	457.7
62.5°	636.8	704.7	760.9	780.8	734.0	655.5	550.2	478.8	428.4	405.0	393.3
65°	525.6	565.4	622.8	619.3	591.2	518.6	441.3	391.0	358.2	343.0	336.0
67.5°	413.2	449.5	485.8	490.5	455.4	405.0	354.7	318.4	300.8	292.7	289.1
70°	319.6	346.5	368.7	362.9	344.2	312.6	280.9	261.0	254.0	250.5	250.5
72.5°	248.2	262.2	272.8	265.7	254.0	237.6	222.4	214.2	215.4	217.7	220.1
75°	192.0	195.5	197.8	190.8	188.5	177.9	176.8	177.9	185.0	192.0	195.5
77.5°	147.5	142.8	139.3	132.3	133.4	132.3	138.1	147.5	158.0	168.6	177.9
80°	113.5	103.0	94.8	87.8	91.3	97.2	108.9	122.9	137.0	148.7	160.4
82.5°	87.8	72.6	60.9	53.8	60.9	70.2	85.5	103.0	119.4	132.3	145.2
85°	67.9	50.3	36.3	29.3	36.3	50.3	66.7	86.6	104.2	118.2	131.1
87.5°	52.7	36.3	19.9	11.7	19.9	35.1	53.8	72.6	90.1	106.5	119.4
90°	42.1	24.6	9.4	2.3	10.5	24.6	42.1	60.9	78.4	96.0	108.9
92.5°	33.9	17.6	4.7	0.0	5.9	18.7	35.1	52.7	70.2	86.6	99.5
95°	28.1	14.0	3.5	0.0	4.7	14.0	28.1	45.7	62.0	78.4	89.0
97.5°	23.4	10.5	2.3	0.0	2.3	11.7	23.4	38.6	55.0	70.2	80.8
100°	19.9	9.4	2.3	0.0	2.3	9.4	19.9	33.9	48.0	62.0	72.6
102.5°	16.4	7.0	1.2	1.2	1.2	7.0	17.6	29.3	42.1	55.0	65.6
105°	15.2	5.9	1.2	1.2	1.2	5.9	15.2	25.8	37.5	49.2	58.5
107.5°	12.9	4.7	1.2	1.2	1.2	4.7	12.9	22.2	33.9	44.5	52.7
110°	10.5	4.7	1.2	1.2	1.2	4.7	10.5	19.9	29.3	38.6	46.8



TEST NUMBER: P290226

CATALOG NUMBER: 8SSRK-LC-50-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	9.4	3.5	1.2	1.2	1.2	3.5	9.4	17.6	25.8	35.1	42.1
115°	8.2	3.5	1.2	1.2	1.2	3.5	8.2	15.2	22.2	30.4	37.5
117.5°	7.0	3.5	1.2	1.2	1.2	2.3	7.0	12.9	19.9	26.9	33.9
120°	5.9	2.3	1.2	1.2	1.2	2.3	5.9	11.7	17.6	23.4	29.3
122.5°	5.9	2.3	1.2	1.2	1.2	2.3	4.7	9.4	15.2	19.9	25.8
125°	4.7	2.3	1.2	1.2	1.2	1.2	4.7	8.2	12.9	17.6	22.2
127.5°	4.7	2.3	1.2	1.2	1.2	1.2	3.5	7.0	10.5	15.2	19.9
130°	3.5	2.3	1.2	1.2	1.2	1.2	2.3	5.9	9.4	12.9	16.4
132.5°	3.5	2.3	1.2	1.2	1.2	1.2	2.3	4.7	7.0	10.5	14.0
135°	3.5	1.2	1.2	1.2	1.2	1.2	1.2	3.5	5.9	8.2	10.5
137.5°	2.3	1.2	1.2	1.2	1.2	1.2	1.2	2.3	4.7	5.9	9.4
140°	2.3	1.2	1.2	1.2	1.2	1.2	1.2	2.3	3.5	4.7	7.0
142.5°	2.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3	3.5	5.9
145°	2.3	1.2	1.2	2.3	2.3	1.2	1.2	2.3	2.3	3.5	4.7
147.5°	2.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3	2.3	3.5
150°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	3.5
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: P290226

CATALOG NUMBER: 8SSRK-LC-50-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2266.3	2266.3	2266.3	2266.3	2266.3	2266.3	2266.3	2266.3	2266.3	2266.3	2266.3
2.5°	2278.0	2251.1	2265.1	2260.4	2265.1	2276.8	2275.7	2272.2	2274.5	2268.6	2262.8
5°	2273.3	2246.4	2260.4	2254.6	2260.4	2272.2	2269.8	2266.3	2269.8	2262.8	2256.9
7.5°	2267.5	2242.9	2259.3	2258.1	2268.6	2283.9	2285.0	2285.0	2293.2	2282.7	2278.0
10°	2267.5	2254.6	2276.8	2285.0	2312.0	2331.9	2334.2	2338.9	2352.9	2350.6	2338.9
12.5°	2292.1	2289.7	2322.5	2342.4	2367.0	2395.1	2410.3	2415.0	2424.3	2417.3	2412.6
15°	2323.7	2335.4	2371.7	2393.9	2420.8	2441.9	2445.4	2447.7	2454.8	2444.2	2436.0
17.5°	2365.8	2372.8	2402.1	2411.5	2429.0	2432.5	2427.8	2416.1	2416.1	2392.7	2385.7
20°	2385.7	2382.2	2393.9	2378.7	2371.7	2350.6	2330.7	2308.4	2307.3	2282.7	2280.3
22.5°	2368.1	2344.7	2320.1	2282.7	2266.3	2235.9	2208.9	2196.1	2187.9	2156.3	2148.1
25°	2306.1	2248.7	2212.5	2168.0	2128.2	2093.0	2067.3	2040.4	2014.6	1988.9	1977.2
27.5°	2198.4	2144.6	2086.0	2024.0	1969.0	1915.1	1871.8	1844.9	1820.3	1786.3	1768.8
30°	2066.1	1991.2	1926.8	1867.1	1777.0	1711.4	1675.1	1621.3	1602.6	1587.3	1554.6
32.5°	1910.4	1820.3	1732.5	1651.7	1559.3	1498.4	1450.4	1410.6	1398.9	1359.1	1349.7
35°	1738.4	1620.1	1520.6	1441.0	1374.3	1300.5	1260.7	1233.8	1210.4	1183.5	1178.8
37.5°	1535.8	1429.3	1316.9	1246.7	1194.0	1130.8	1100.4	1081.6	1071.1	1051.2	1047.7
40°	1332.2	1225.6	1148.4	1078.1	1045.4	1011.4	989.2	981.0	976.3	969.3	962.2
42.5°	1147.2	1053.5	998.5	951.7	937.7	921.3	915.4	920.1	915.4	913.1	911.9
45°	990.3	918.9	880.3	866.3	862.7	858.1	862.7	870.9	872.1	869.8	869.8
47.5°	847.5	813.6	797.2	799.5	805.4	808.9	817.1	827.6	830.0	824.1	826.4
50°	753.9	734.0	730.5	739.8	752.7	757.4	766.7	774.9	773.8	771.4	769.1
52.5°	666.1	660.2	669.6	679.0	693.0	695.3	698.9	702.4	701.2	696.5	694.2
55°	592.3	597.0	605.2	608.7	619.3	618.1	619.3	619.3	614.6	612.2	608.7
57.5°	525.6	526.8	531.5	532.6	538.5	536.1	535.0	532.6	525.6	524.4	520.9
60°	457.7	455.4	465.9	457.7	462.4	457.7	456.5	450.7	443.7	442.5	440.1
62.5°	393.3	388.6	395.7	392.2	394.5	389.8	387.5	380.4	374.6	373.4	372.3
65°	336.0	333.6	340.6	339.5	341.8	336.0	333.6	328.9	324.3	323.1	321.9
67.5°	288.0	293.8	297.3	297.3	299.7	298.5	292.7	291.5	290.3	285.6	285.6
70°	252.9	256.4	263.4	264.6	263.4	265.7	261.0	259.9	258.7	256.4	255.2
72.5°	224.8	229.4	236.5	237.6	236.5	236.5	234.1	233.0	233.0	229.4	229.4
75°	202.5	208.4	214.2	214.2	214.2	211.9	209.5	209.5	207.2	206.0	203.7
77.5°	183.8	190.8	195.5	194.3	193.2	190.8	190.8	187.3	183.8	183.8	181.4
80°	169.7	174.4	177.9	176.8	175.6	172.1	170.9	167.4	165.1	161.5	161.5
82.5°	154.5	160.4	162.7	161.5	159.2	155.7	154.5	152.2	149.8	148.7	146.3
85°	141.6	147.5	148.7	146.3	144.0	141.6	140.5	139.3	138.1	135.8	135.8
87.5°	128.8	134.6	134.6	133.4	131.1	129.9	128.8	127.6	126.4	125.3	124.1
90°	118.2	122.9	122.9	121.7	120.6	119.4	118.2	117.1	115.9	114.7	114.7
92.5°	107.7	112.4	112.4	111.2	110.0	108.9	108.9	107.7	106.5	105.4	104.2
95°	98.3	103.0	103.0	103.0	101.8	100.7	100.7	99.5	98.3	98.3	97.2
97.5°	89.0	93.6	93.6	93.6	92.5	91.3	91.3	90.1	90.1	90.1	89.0
100°	80.8	84.3	85.5	85.5	84.3	84.3	84.3	83.1	83.1	83.1	81.9
102.5°	72.6	76.1	78.4	78.4	78.4	77.3	77.3	77.3	77.3	77.3	76.1
105°	65.6	69.1	71.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
107.5°	59.7	63.2	65.6	66.7	67.9	67.9	69.1	69.1	69.1	69.1	69.1
110°	53.8	57.4	60.9	62.0	63.2	64.4	64.4	65.6	64.4	64.4	64.4



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CATALOG NUMBER: 8SSRK-LC-50-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	48.0	52.7	55.0	57.4	58.5	59.7	60.9	60.9	60.9	60.9	60.9
115°	43.3	48.0	50.3	52.7	55.0	56.2	56.2	57.4	57.4	57.4	56.2
117.5°	38.6	43.3	45.7	48.0	49.2	51.5	52.7	52.7	52.7	52.7	51.5
120°	35.1	38.6	41.0	43.3	45.7	46.8	48.0	48.0	48.0	48.0	48.0
122.5°	30.4	33.9	37.5	39.8	41.0	42.1	43.3	43.3	43.3	43.3	43.3
125°	26.9	30.4	32.8	35.1	36.3	38.6	38.6	38.6	38.6	38.6	38.6
127.5°	23.4	26.9	29.3	31.6	32.8	33.9	35.1	35.1	35.1	35.1	35.1
130°	19.9	23.4	25.8	28.1	29.3	30.4	30.4	31.6	31.6	31.6	31.6
132.5°	17.6	19.9	22.2	24.6	25.8	26.9	26.9	28.1	28.1	28.1	28.1
135°	14.0	17.6	18.7	21.1	22.2	23.4	23.4	24.6	24.6	24.6	24.6
137.5°	11.7	14.0	16.4	18.7	19.9	19.9	21.1	21.1	22.2	22.2	22.2
140°	9.4	10.5	14.0	15.2	16.4	17.6	18.7	18.7	18.7	18.7	18.7
142.5°	7.0	9.4	10.5	12.9	14.0	15.2	16.4	16.4	16.4	16.4	16.4
145°	5.9	7.0	8.2	10.5	11.7	12.9	14.0	14.0	14.0	14.0	14.0
147.5°	4.7	5.9	7.0	8.2	9.4	10.5	11.7	11.7	11.7	11.7	11.7
150°	3.5	4.7	5.9	5.9	7.0	8.2	9.4	10.5	10.5	10.5	10.5
152.5°	3.5	3.5	4.7	4.7	5.9	7.0	8.2	8.2	8.2	8.2	8.2
155°	2.3	3.5	3.5	3.5	4.7	4.7	5.9	7.0	7.0	7.0	7.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P290226

CATALOG NUMBER: 8SSRK-LC-50-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2266.3	2266.3	2266.3	2266.3	2266.3	2266.3	2266.3	2266.3	2266.3	2266.3	2266.3
2.5°	2266.3	2271.0	2268.6	2265.1	2264.0	2269.8	2264.0	2237.0	2247.6	2248.7	2256.9
5°	2262.8	2266.3	2264.0	2261.6	2258.1	2265.1	2258.1	2230.0	2240.5	2241.7	2249.9
7.5°	2286.2	2287.4	2287.4	2281.5	2272.2	2275.7	2266.3	2234.7	2240.5	2240.5	2246.4
10°	2344.7	2347.1	2350.6	2335.4	2323.7	2314.3	2301.4	2262.8	2261.6	2252.3	2252.3
12.5°	2420.8	2415.0	2409.1	2402.1	2392.7	2381.0	2362.3	2316.6	2301.4	2286.2	2271.0
15°	2443.1	2440.7	2439.5	2436.0	2430.2	2426.7	2412.6	2367.0	2344.7	2326.0	2299.1
17.5°	2384.5	2389.2	2404.4	2405.6	2412.6	2426.7	2424.3	2392.7	2372.8	2364.6	2331.9
20°	2279.2	2280.3	2299.1	2307.3	2337.7	2361.1	2378.7	2375.2	2370.5	2379.8	2355.3
22.5°	2152.8	2160.9	2180.8	2193.7	2223.0	2249.9	2278.0	2293.2	2317.8	2356.4	2351.8
25°	1980.7	1991.2	2019.3	2040.4	2081.3	2122.3	2159.8	2186.7	2216.0	2289.7	2314.3
27.5°	1774.6	1791.0	1827.3	1848.4	1905.8	1947.9	2001.7	2054.4	2095.4	2179.7	2230.0
30°	1558.1	1572.1	1610.8	1640.0	1689.2	1746.5	1814.4	1889.4	1957.3	2042.7	2105.9
32.5°	1355.6	1370.8	1402.4	1428.1	1483.2	1531.2	1606.1	1698.6	1761.8	1880.0	1964.3
35°	1178.8	1192.9	1215.1	1237.3	1283.0	1332.2	1396.5	1486.7	1567.4	1690.4	1796.9
37.5°	1054.7	1057.1	1069.9	1082.8	1116.8	1154.2	1204.6	1284.2	1359.1	1491.4	1608.4
40°	965.8	965.8	972.8	976.3	991.5	1013.7	1045.4	1107.4	1169.4	1270.1	1412.9
42.5°	910.7	908.4	908.4	909.6	908.4	918.9	937.7	966.9	1021.9	1105.1	1216.3
45°	869.8	865.1	861.6	853.4	848.7	848.7	849.9	860.4	892.0	945.9	1036.0
47.5°	824.1	822.9	817.1	807.7	799.5	793.7	784.3	780.8	790.2	820.6	881.5
50°	771.4	765.6	759.7	752.7	743.3	737.5	719.9	721.1	712.9	726.9	758.6
52.5°	694.2	689.5	687.1	681.3	677.8	675.4	661.4	647.3	643.8	646.2	657.9
55°	608.7	611.1	601.7	606.4	605.2	594.7	588.8	578.3	574.8	573.6	579.5
57.5°	519.8	522.1	516.2	520.9	520.9	515.1	511.6	511.6	503.4	496.3	504.5
60°	439.0	434.3	437.8	443.7	443.7	440.1	437.8	437.8	432.0	429.6	435.5
62.5°	373.4	368.7	372.3	378.1	379.3	376.9	374.6	374.6	367.6	367.6	372.3
65°	323.1	324.3	323.1	327.8	327.8	328.9	326.6	324.3	316.1	319.6	318.4
67.5°	286.8	285.6	285.6	290.3	289.1	291.5	289.1	285.6	279.8	275.1	273.9
70°	256.4	255.2	255.2	257.5	258.7	258.7	257.5	255.2	247.0	242.3	238.8
72.5°	229.4	228.3	229.4	230.6	231.8	233.0	231.8	229.4	222.4	216.6	210.7
75°	204.9	203.7	207.2	207.2	208.4	208.4	209.5	208.4	202.5	195.5	188.5
77.5°	180.3	181.4	185.0	186.1	188.5	189.6	190.8	190.8	185.0	179.1	169.7
80°	160.4	162.7	165.1	166.2	168.6	172.1	173.3	174.4	169.7	163.9	153.3
82.5°	146.3	147.5	149.8	151.0	154.5	155.7	156.9	159.2	156.9	151.0	139.3
85°	134.6	135.8	138.1	138.1	140.5	142.8	144.0	145.2	144.0	138.1	126.4
87.5°	124.1	125.3	126.4	127.6	128.8	129.9	131.1	132.3	131.1	125.3	114.7
90°	114.7	114.7	115.9	115.9	117.1	118.2	120.6	120.6	119.4	114.7	104.2
92.5°	104.2	105.4	105.4	106.5	107.7	108.9	110.0	110.0	108.9	104.2	94.8
95°	97.2	97.2	98.3	98.3	99.5	99.5	100.7	100.7	99.5	94.8	85.5
97.5°	89.0	89.0	89.0	89.0	90.1	90.1	91.3	91.3	90.1	85.5	77.3
100°	81.9	81.9	81.9	81.9	81.9	83.1	83.1	83.1	81.9	77.3	69.1
102.5°	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	73.7	70.2	62.0
105°	72.6	72.6	72.6	71.4	71.4	71.4	70.2	70.2	66.7	63.2	56.2
107.5°	67.9	67.9	67.9	66.7	66.7	65.6	64.4	64.4	60.9	57.4	50.3
110°	64.4	64.4	64.4	63.2	62.0	60.9	59.7	58.5	55.0	50.3	44.5



TEST NUMBER: P290226

CATALOG NUMBER: 8SSRK-LC-50-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	60.9	60.9	59.7	59.7	58.5	57.4	55.0	53.8	50.3	45.7	39.8
115°	56.2	56.2	56.2	55.0	53.8	52.7	51.5	49.2	45.7	41.0	35.1
117.5°	51.5	51.5	51.5	50.3	49.2	48.0	46.8	44.5	41.0	36.3	31.6
120°	46.8	46.8	46.8	45.7	44.5	43.3	42.1	39.8	36.3	32.8	26.9
122.5°	43.3	43.3	42.1	41.0	39.8	38.6	37.5	35.1	32.8	28.1	23.4
125°	38.6	38.6	37.5	37.5	36.3	35.1	33.9	31.6	28.1	24.6	21.1
127.5°	35.1	33.9	33.9	33.9	32.8	31.6	29.3	28.1	24.6	21.1	17.6
130°	30.4	30.4	30.4	29.3	29.3	28.1	25.8	23.4	21.1	18.7	15.2
132.5°	26.9	26.9	26.9	26.9	25.8	24.6	22.2	21.1	18.7	15.2	12.9
135°	24.6	24.6	23.4	23.4	22.2	21.1	19.9	17.6	15.2	12.9	10.5
137.5°	21.1	21.1	21.1	19.9	19.9	18.7	16.4	15.2	14.0	11.7	9.4
140°	18.7	18.7	17.6	17.6	16.4	16.4	15.2	12.9	11.7	9.4	8.2
142.5°	16.4	16.4	15.2	15.2	14.0	14.0	12.9	11.7	9.4	8.2	5.9
145°	14.0	14.0	12.9	12.9	12.9	11.7	10.5	9.4	8.2	7.0	5.9
147.5°	11.7	11.7	11.7	10.5	10.5	9.4	9.4	8.2	7.0	5.9	4.7
150°	10.5	10.5	9.4	9.4	9.4	8.2	7.0	7.0	5.9	4.7	3.5
152.5°	8.2	8.2	8.2	8.2	7.0	7.0	5.9	5.9	4.7	3.5	3.5
155°	7.0	7.0	7.0	5.9	5.9	5.9	4.7	4.7	3.5	3.5	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



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	2266.3	2266.3	2266.3	2266.3	2266.3	2266.3	2266.3
2.5°	2253.4	2252.3	2262.8	2261.6	2247.6	2268.6	2282.7
5°	2247.6	2246.4	2255.8	2258.1	2242.9	2265.1	2280.3
7.5°	2242.9	2241.7	2252.3	2255.8	2240.5	2260.4	2276.8
10°	2244.1	2238.2	2247.6	2249.9	2235.9	2256.9	2271.0
12.5°	2252.3	2238.2	2241.7	2241.7	2228.8	2247.6	2262.8
15°	2272.2	2242.9	2238.2	2234.7	2218.3	2235.9	2251.1
17.5°	2294.4	2254.6	2238.2	2226.5	2206.6	2221.8	2238.2
20°	2316.6	2267.5	2240.5	2221.8	2194.9	2208.9	2220.6
22.5°	2327.2	2279.2	2242.9	2214.8	2180.8	2187.9	2200.7
25°	2313.1	2274.5	2238.2	2204.3	2163.3	2164.5	2175.0
27.5°	2261.6	2251.1	2227.7	2193.7	2149.2	2143.4	2151.6
30°	2173.8	2203.1	2204.3	2179.7	2132.8	2121.1	2124.7
32.5°	2050.9	2116.5	2155.1	2150.4	2109.4	2093.0	2095.4
35°	1909.3	1991.2	2075.5	2103.6	2074.3	2061.4	2056.8
37.5°	1739.5	1849.6	1961.9	2031.0	2026.3	2018.1	2013.4
40°	1552.2	1684.5	1818.0	1928.0	1961.9	1961.9	1964.3
42.5°	1352.1	1506.6	1652.9	1792.2	1871.8	1889.4	1896.4
45°	1158.9	1314.6	1473.8	1634.2	1740.7	1795.7	1815.6
47.5°	983.3	1140.2	1291.2	1466.8	1608.4	1679.8	1711.4
50°	833.5	950.5	1109.7	1284.2	1438.7	1526.5	1588.5
52.5°	709.4	800.7	940.0	1102.7	1258.4	1379.0	1436.3
55°	605.2	667.2	785.5	926.0	1074.6	1199.9	1266.6
57.5°	517.4	566.6	647.3	764.4	889.7	1013.7	1085.2
60°	440.1	474.1	529.1	621.6	728.1	834.6	903.7
62.5°	373.4	395.7	432.0	499.9	583.0	666.1	730.5
65°	321.9	331.3	351.2	393.3	456.5	519.8	574.8
67.5°	271.6	277.4	292.7	318.4	350.0	395.7	432.0
70°	234.1	234.1	235.3	250.5	266.9	296.2	321.9
72.5°	203.7	200.2	193.2	196.7	200.2	216.6	233.0
75°	179.1	170.9	159.2	154.5	152.2	154.5	163.9
77.5°	158.0	146.3	132.3	120.6	111.2	107.7	115.9
80°	140.5	126.4	110.0	94.8	79.6	71.4	74.9
82.5°	126.4	108.9	91.3	73.7	56.2	44.5	44.5
85°	111.2	94.8	76.1	57.4	39.8	24.6	22.2
87.5°	100.7	83.1	63.2	45.7	28.1	12.9	7.0
90°	90.1	72.6	53.8	36.3	19.9	5.9	0.0
92.5°	80.8	64.4	46.8	29.3	14.0	3.5	0.0
95°	72.6	57.4	39.8	24.6	11.7	2.3	1.2
97.5°	64.4	50.3	35.1	19.9	8.2	2.3	1.2
100°	58.5	44.5	30.4	16.4	7.0	1.2	1.2
102.5°	51.5	39.8	25.8	14.0	5.9	1.2	1.2
105°	45.7	35.1	22.2	11.7	4.7	1.2	1.2
107.5°	41.0	30.4	19.9	10.5	4.7	1.2	1.2
110°	36.3	26.9	17.6	9.4	3.5	1.2	1.2



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CATALOG NUMBER: 8SSRK-LC-50-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	32.8	23.4	15.2	8.2	2.3	1.2	1.2
115°	28.1	21.1	12.9	7.0	2.3	1.2	1.2
117.5°	24.6	17.6	11.7	5.9	2.3	1.2	1.2
120°	21.1	15.2	9.4	4.7	1.2	1.2	1.2
122.5°	18.7	12.9	8.2	4.7	1.2	1.2	1.2
125°	16.4	11.7	7.0	3.5	1.2	1.2	1.2
127.5°	14.0	9.4	5.9	2.3	1.2	1.2	1.2
130°	11.7	8.2	4.7	2.3	1.2	1.2	1.2
132.5°	9.4	7.0	4.7	2.3	1.2	1.2	1.2
135°	8.2	5.9	3.5	2.3	1.2	1.2	1.2
137.5°	7.0	4.7	2.3	2.3	2.3	1.2	1.2
140°	5.9	3.5	2.3	2.3	2.3	2.3	1.2
142.5°	4.7	3.5	2.3	2.3	2.3	2.3	1.2
145°	3.5	2.3	2.3	2.3	2.3	2.3	1.2
147.5°	3.5	2.3	2.3	2.3	2.3	2.3	1.2
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)