

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P935798

Luminaire Tested: SQ4-FA-125U-125D-B35-1D-UNV-W2A-W-4

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935798
REPORT IS A COMBINATION OF REPORTS P933766 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-125D-B35-1D-UNV-W2A-W-4
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

Summary

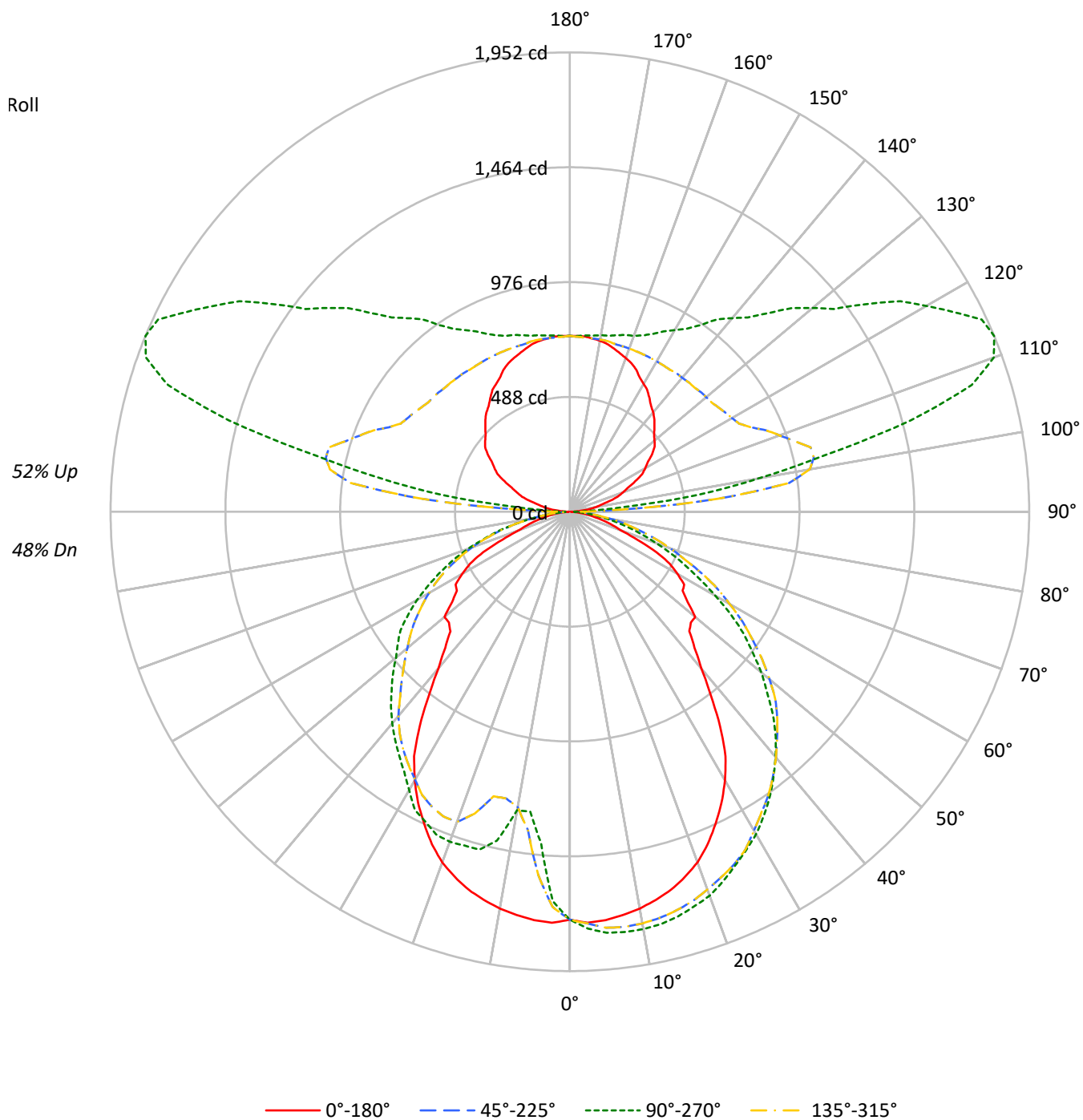
Lumens per Lamp: N/A
Luminaire Lumens: 9343.1 lumens
Efficiency: N/A
Efficacy: 124.2 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 75.2
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: 24 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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48	48	48
1	97	93	89	86	90	86	83	80	72	70	68	60	58	57	48	47	46	41	41	41
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	41	39	34	34	34
3	81	71	64	58	74	66	60	55	56	51	47	46	43	40	38	35	33	29	29	29
4	74	63	55	49	68	59	52	46	50	44	40	41	37	34	34	31	28	25	25	25
5	68	56	48	42	62	52	45	40	44	39	35	37	33	30	30	27	25	21	21	21
6	62	50	42	37	57	47	40	34	40	34	30	33	29	26	27	24	22	19	19	19
7	58	45	38	32	53	42	35	30	36	31	26	30	26	23	25	22	19	17	17	17
8	54	41	34	28	49	38	31	27	33	27	23	28	23	20	23	20	17	15	15	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	16	13	13	13
10	47	34	27	22	43	32	26	21	28	22	19	24	19	16	20	16	14	12	12	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	16084	16084	16084	16084
5°	16186	16237	16186	12766
10°	16060	15994	16060	11434
15°	15868	15647	15868	13065
20°	15518	15236	15518	13093
25°	14820	14637	14820	12815
30°	13925	14141	13925	12206
35°	12397	13512	12397	11537
40°	10311	12771	10311	11030
45°	9195	11906	9195	10449
50°	9747	10872	9747	9866
55°	9146	9759	9146	9528
60°	9392	8289	9392	8727
65°	8475	6851	8475	7659
70°	5829	5461	5829	6420
75°	5057	4037	5057	4833
80°	3992	2669	3992	2905
85°	2178	1413	2178	1200

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 14120 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.5	1.7
10°-20°	444.2	4.8
20°-30°	686.7	7.3
30°-40°	819.8	8.8
40°-50°	824.6	8.8
50°-60°	717.5	7.7
60°-70°	508.7	5.4
70°-80°	269.2	2.9
80°-90°	69.9	0.7
90°-100°	364.4	3.9
100°-110°	958.0	10.3
110°-120°	993.4	10.6
120°-130°	796.8	8.5
130°-140°	625.2	6.7
140°-150°	479.9	5.1
150°-160°	345.6	3.7
160°-170°	211.4	2.3
170°-180°	71.4	0.8
0°-30°	1287.4	13.8
0°-40°	2107.2	22.6
0°-60°	3649.3	39.1
0°-90°	4497.1	48.1
90°-120°	2315.8	24.8
90°-150°	4217.6	45.1
90°-180°	4846.0	51.9
0°-180°	9343.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1733	1733	1733	1733	1733	
5°	1742	1796	1742	1412	1742	165
15°	1663	1779	1663	1486	1663	468
25°	1464	1660	1464	1453	1464	672
35°	1114	1481	1114	1264	1114	689
45°	718	1220	718	1071	718	575
55°	586	900	586	879	586	538
65°	407	543	407	607	407	389
75°	154	258	154	308	154	162
85°	26	66	26	56	26	35
90°	5	19	5	19	5	5
95°	48	220	48	220	48	53
105°	173	1500	173	1500	173	183
115°	306	1932	306	1932	306	303
125°	426	1538	426	1538	426	379
135°	508	1194	508	1194	508	393
145°	590	968	590	968	590	369
155°	666	834	666	834	666	306
165°	719	777	719	777	719	203
175°	748	752	748	752	748	71
180°	748	748	748	748	748	

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1733.3	1733.3	1733.3	1733.3	1733.3	1733.3	1733.3	1733.3	1733.3	1733.3	1733.3
2.5°	1748.1	1748.1	1758.0	1761.3	1761.3	1756.3	1751.4	1756.3	1771.0	1776.0	1774.3
5°	1741.5	1754.7	1772.7	1776.0	1779.3	1777.6	1774.3	1777.6	1794.0	1797.3	1798.9
7.5°	1728.4	1753.0	1776.0	1780.9	1785.8	1780.9	1779.3	1782.6	1798.9	1802.2	1802.2
10°	1712.0	1746.4	1772.7	1776.0	1780.9	1776.0	1776.0	1782.6	1798.9	1802.2	1803.9
12.5°	1689.1	1736.6	1761.3	1764.5	1771.0	1769.4	1767.7	1774.3	1790.7	1794.0	1794.0
15°	1662.8	1718.6	1741.5	1744.8	1756.3	1753.0	1753.0	1759.6	1777.6	1782.6	1780.9
17.5°	1626.8	1695.7	1721.8	1726.8	1735.0	1733.3	1735.0	1741.5	1758.0	1761.3	1762.8
20°	1585.8	1664.5	1695.7	1700.5	1708.7	1708.7	1708.7	1717.0	1733.3	1739.9	1739.9
22.5°	1530.0	1631.7	1664.5	1667.7	1677.5	1677.5	1680.8	1692.4	1707.1	1708.7	1708.7
25°	1464.4	1595.6	1623.5	1633.3	1643.1	1648.1	1653.0	1659.5	1664.5	1662.8	1664.5
27.5°	1395.6	1549.6	1585.8	1592.3	1605.4	1610.4	1616.9	1618.5	1620.2	1625.1	1621.8
30°	1318.4	1485.7	1539.8	1546.4	1567.7	1570.9	1564.5	1567.7	1575.9	1579.2	1582.5
32.5°	1231.5	1390.6	1492.3	1507.0	1526.8	1516.9	1515.2	1520.2	1533.2	1533.2	1536.5
35°	1113.5	1316.8	1448.0	1461.2	1475.9	1464.4	1470.9	1472.6	1480.8	1485.7	1484.1
37.5°	983.9	1252.8	1402.0	1411.9	1423.4	1408.6	1418.5	1423.4	1430.0	1426.7	1426.7
40°	869.1	1152.8	1348.0	1354.6	1364.4	1352.9	1362.7	1366.0	1369.3	1366.0	1364.4
42.5°	783.8	1042.9	1290.6	1298.8	1292.2	1300.4	1303.7	1310.3	1305.3	1298.8	1298.8
45°	718.2	1013.5	1228.2	1238.1	1228.2	1241.4	1246.3	1246.3	1231.5	1228.2	1226.7
47.5°	696.9	954.4	1165.9	1165.9	1161.1	1177.4	1185.6	1174.1	1159.4	1154.5	1154.5
50°	695.3	888.8	1080.6	1074.1	1097.1	1116.8	1108.5	1097.1	1085.6	1067.5	1067.5
52.5°	631.3	808.4	970.8	995.4	1031.5	1042.9	1029.9	1018.3	998.7	990.5	983.9
55°	585.5	724.8	870.7	920.0	957.7	972.4	947.9	936.3	906.9	901.9	898.7
57.5°	575.6	603.5	779.0	841.3	887.1	885.6	870.7	849.4	824.8	820.0	818.3
60°	528.0	436.2	680.5	754.4	801.8	797.0	783.8	764.2	741.2	737.9	734.7
62.5°	478.9	316.5	569.0	652.6	719.9	718.2	706.8	677.2	660.9	652.6	646.1
65°	406.7	265.7	405.0	542.8	639.5	642.8	618.2	596.9	578.9	569.0	567.3
67.5°	309.9	216.5	273.8	452.6	562.5	559.2	528.0	518.2	495.3	490.3	480.5
70°	229.6	144.3	190.2	367.3	487.0	478.9	454.3	442.7	421.4	410.0	403.4
72.5°	190.2	116.5	139.3	285.4	410.0	400.1	378.8	365.7	347.7	337.8	331.2
75°	154.2	123.0	106.6	211.5	332.9	326.4	306.7	293.5	278.8	265.7	267.3
77.5°	113.2	114.8	85.3	155.8	264.1	254.2	242.7	226.3	219.8	206.6	206.6
80°	85.3	90.2	64.0	106.6	190.2	190.2	180.4	168.9	157.5	150.9	150.9
82.5°	57.4	57.4	47.6	67.2	129.6	124.6	118.0	114.8	108.2	104.9	104.9
85°	26.3	32.8	29.6	41.0	70.5	73.8	73.8	70.5	68.9	65.6	67.2
87.5°	8.2	14.7	18.0	23.0	36.0	37.7	39.3	39.3	39.3	41.0	41.0
90°	5.0	9.0	13.1	14.1	22.1	32.8	38.1	33.8	25.4	19.1	19.1
92.5°	20.1	54.2	88.3	96.8	136.1	188.6	214.7	188.2	135.2	95.3	91.6
95°	48.2	110.6	173.1	188.7	335.0	530.0	627.6	560.1	425.0	323.6	312.1
97.5°	83.2	138.3	193.4	207.2	451.2	776.5	939.2	896.4	811.1	747.0	725.2
100°	110.4	160.4	210.3	222.8	493.5	854.5	1035.0	1038.1	1044.4	1049.0	1023.0
102.5°	133.4	180.0	226.6	238.3	512.9	879.1	1062.1	1116.6	1225.4	1307.0	1284.7
105°	172.6	212.1	251.6	261.4	527.3	881.9	1059.1	1181.1	1425.0	1608.0	1595.9
107.5°	212.7	249.5	286.3	295.5	530.0	842.6	998.9	1169.1	1509.3	1764.5	1767.4
110°	239.8	273.1	306.2	314.5	526.0	807.9	948.7	1139.0	1519.4	1804.7	1817.2

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	266.4	298.1	329.7	337.6	526.1	777.4	903.1	1097.8	1487.1	1779.1	1798.3
115°	306.5	335.8	365.0	372.3	531.0	742.5	848.4	1035.9	1411.0	1692.3	1718.8
117.5°	346.2	372.8	399.3	405.9	540.9	720.8	810.8	979.9	1318.4	1572.3	1601.8
120°	369.3	394.3	419.3	425.5	548.9	713.5	795.7	950.4	1259.6	1491.6	1520.3
122.5°	391.9	417.1	442.3	448.6	560.5	709.6	784.2	923.5	1201.9	1410.8	1439.1
125°	426.5	449.4	472.4	478.1	576.0	706.4	771.6	889.9	1126.5	1303.9	1330.0
127.5°	454.6	477.7	500.9	506.7	591.5	704.6	761.1	862.6	1065.8	1218.1	1240.1
130°	469.6	494.6	519.6	525.8	602.9	705.7	757.1	847.5	1028.3	1164.0	1184.2
132.5°	485.2	510.2	535.2	541.4	612.1	706.4	753.6	834.5	996.4	1117.8	1136.0
135°	508.2	531.0	553.7	559.4	622.1	705.7	747.6	815.4	951.0	1052.6	1068.3
137.5°	531.8	554.3	576.8	582.5	637.1	710.1	746.5	803.8	918.4	1004.4	1017.2
140°	551.4	572.1	592.8	598.1	646.4	710.9	743.0	792.5	891.6	965.8	977.8
142.5°	566.4	585.6	604.8	609.6	654.1	713.4	743.0	786.5	873.5	938.7	948.9
145°	589.5	606.2	623.0	627.1	664.1	713.4	738.0	773.6	844.7	898.1	905.9
147.5°	612.6	628.9	645.2	649.2	678.8	718.2	738.0	766.0	822.0	864.0	870.5
150°	627.6	642.4	657.1	660.8	686.5	720.8	738.0	761.6	808.9	844.4	849.6
152.5°	643.2	654.4	665.5	668.3	691.6	722.5	738.0	758.1	798.6	828.8	832.8
155°	666.3	674.5	682.8	684.8	702.5	726.2	738.0	754.1	786.1	810.3	812.9
157.5°	683.3	691.4	699.3	701.4	713.6	729.9	738.0	750.5	775.5	794.2	796.0
160°	694.9	701.1	707.4	708.9	718.6	731.5	738.0	748.6	770.1	786.1	787.2
162.5°	706.4	711.1	715.8	717.0	723.9	733.3	738.0	747.0	765.1	778.7	779.7
165°	718.9	723.2	727.4	728.5	731.7	735.9	738.0	744.5	757.4	767.1	768.1
167.5°	730.5	732.5	734.5	735.0	737.7	741.3	743.0	747.3	755.7	762.1	762.6
170°	738.0	740.0	742.1	742.5	742.7	742.9	743.0	747.3	755.7	762.1	762.1
172.5°	742.1	742.4	742.9	743.0	743.0	743.0	743.0	746.3	753.0	758.0	757.7
175°	747.6	747.6	747.6	747.6	746.0	744.0	743.0	745.2	749.3	752.5	752.5
177.5°	747.6	747.6	747.6	747.6	746.4	744.8	744.0	745.6	749.0	751.6	751.1
180°	747.6	747.6	747.6	747.6	747.6	747.6	747.6	747.6	747.6	747.6	747.6

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1733.3	1733.3	1733.3	1733.3	1733.3	1733.3	1733.3	1733.3	1733.3	1733.3	1733.3
2.5°	1777.6	1772.7	1777.6	1774.3	1776.0	1771.0	1756.3	1751.4	1756.3	1761.3	1761.3
5°	1798.9	1795.7	1798.9	1798.9	1797.3	1794.0	1777.6	1774.3	1777.6	1779.3	1776.0
7.5°	1805.4	1800.6	1805.4	1802.2	1802.2	1798.9	1782.6	1779.3	1780.9	1785.8	1780.9
10°	1805.4	1800.6	1805.4	1803.9	1802.2	1798.9	1782.6	1776.0	1776.0	1780.9	1776.0
12.5°	1797.3	1794.0	1797.3	1794.0	1794.0	1790.7	1774.3	1767.7	1769.4	1771.0	1764.5
15°	1784.1	1779.3	1784.1	1780.9	1782.6	1777.6	1759.6	1753.0	1753.0	1756.3	1744.8
17.5°	1764.5	1758.0	1764.5	1762.8	1761.3	1758.0	1741.5	1735.0	1733.3	1735.0	1726.8
20°	1741.5	1736.6	1741.5	1739.9	1739.9	1733.3	1717.0	1708.7	1708.7	1708.7	1700.5
22.5°	1705.4	1700.5	1705.4	1708.7	1708.7	1707.1	1692.4	1680.8	1677.5	1677.5	1667.7
25°	1664.5	1659.5	1664.5	1664.5	1662.8	1664.5	1659.5	1653.0	1648.1	1643.1	1633.3
27.5°	1625.1	1621.8	1625.1	1621.8	1625.1	1620.2	1618.5	1616.9	1610.4	1605.4	1592.3
30°	1585.8	1582.5	1585.8	1582.5	1579.2	1575.9	1567.7	1564.5	1570.9	1567.7	1546.4
32.5°	1536.5	1533.2	1536.5	1536.5	1533.2	1533.2	1520.2	1515.2	1516.9	1526.8	1507.0
35°	1485.7	1480.8	1485.7	1484.1	1485.7	1480.8	1472.6	1470.9	1464.4	1475.9	1461.2
37.5°	1426.7	1421.7	1426.7	1426.7	1426.7	1430.0	1423.4	1418.5	1408.6	1423.4	1411.9
40°	1366.0	1359.4	1366.0	1364.4	1366.0	1369.3	1366.0	1362.7	1352.9	1364.4	1354.6
42.5°	1297.1	1295.5	1297.1	1298.8	1298.8	1305.3	1310.3	1303.7	1300.4	1292.2	1298.8
45°	1223.4	1220.1	1223.4	1226.7	1228.2	1231.5	1246.3	1246.3	1241.4	1228.2	1238.1
47.5°	1144.6	1136.4	1144.6	1154.5	1154.5	1159.4	1174.1	1185.6	1177.4	1161.1	1165.9
50°	1061.0	1062.6	1061.0	1067.5	1067.5	1085.6	1097.1	1108.5	1116.8	1097.1	1074.1
52.5°	979.0	977.3	979.0	983.9	990.5	998.7	1018.3	1029.9	1042.9	1031.5	995.4
55°	897.0	900.3	897.0	898.7	901.9	906.9	936.3	947.9	972.4	957.7	920.0
57.5°	815.0	810.1	815.0	818.3	820.0	824.8	849.4	870.7	885.6	887.1	841.3
60°	719.9	713.4	719.9	734.7	737.9	741.2	764.2	783.8	797.0	801.8	754.4
62.5°	636.2	624.8	636.2	646.1	652.6	660.9	677.2	706.8	718.2	719.9	652.6
65°	547.7	542.8	547.7	567.3	569.0	578.9	596.9	618.2	642.8	639.5	542.8
67.5°	467.3	467.3	467.3	480.5	490.3	495.3	518.2	528.0	559.2	562.5	452.6
70°	393.6	392.0	393.6	403.4	410.0	421.4	442.7	454.3	478.9	487.0	367.3
72.5°	323.1	321.4	323.1	331.2	337.8	347.7	365.7	378.8	400.1	410.0	285.4
75°	260.8	257.5	260.8	267.3	265.7	278.8	293.5	306.7	326.4	332.9	211.5
77.5°	200.1	200.1	200.1	206.6	206.6	219.8	226.3	242.7	254.2	264.1	155.8
80°	149.2	147.6	149.2	150.9	150.9	157.5	168.9	180.4	190.2	190.2	106.6
82.5°	104.9	101.6	104.9	104.9	104.9	108.2	114.8	118.0	124.6	129.6	67.2
85°	65.6	65.6	65.6	67.2	65.6	68.9	70.5	73.8	73.8	70.5	41.0
87.5°	42.6	41.0	42.6	41.0	41.0	39.3	39.3	39.3	37.7	36.0	23.0
90°	19.1	19.1	19.1	19.1	19.1	25.4	33.8	38.1	32.8	22.1	14.1
92.5°	76.4	61.2	76.4	91.6	95.3	135.2	188.2	214.7	188.6	136.1	96.8
95°	266.2	220.3	266.2	312.1	323.6	425.0	560.1	627.6	530.0	335.0	188.7
97.5°	637.8	550.4	637.8	725.2	747.0	811.1	896.4	939.2	776.5	451.2	207.2
100°	918.9	814.7	918.9	1023.0	1049.0	1044.4	1038.1	1035.0	854.5	493.5	222.8
102.5°	1195.5	1106.3	1195.5	1284.7	1307.0	1225.4	1116.6	1062.1	879.1	512.9	238.3
105°	1548.1	1500.1	1548.1	1595.9	1608.0	1425.0	1181.1	1059.1	881.9	527.3	261.4
107.5°	1779.0	1790.6	1779.0	1767.4	1764.5	1509.3	1169.1	998.9	842.6	530.0	295.5
110°	1867.1	1917.0	1867.1	1817.2	1804.7	1519.4	1139.0	948.7	807.9	526.0	314.5

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CATALOG NUMBER: SQ4-FA-125U-125D-B35-1D-UNV-W2A-W-4

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1874.9	1951.7	1874.9	1798.3	1779.1	1487.1	1097.8	903.1	777.4	526.1	337.6
115°	1825.2	1931.6	1825.2	1718.8	1692.3	1411.0	1035.9	848.4	742.5	531.0	372.3
117.5°	1719.8	1837.7	1719.8	1601.8	1572.3	1318.4	979.9	810.8	720.8	540.9	405.9
120°	1634.8	1749.4	1634.8	1520.3	1491.6	1259.6	950.4	795.7	713.5	548.9	425.5
122.5°	1552.0	1665.1	1552.0	1439.1	1410.8	1201.9	923.5	784.2	709.6	560.5	448.6
125°	1434.0	1538.2	1434.0	1330.0	1303.9	1126.5	889.9	771.6	706.4	576.0	478.1
127.5°	1327.9	1415.8	1327.9	1240.1	1218.1	1065.8	862.6	761.1	704.6	591.5	506.7
130°	1265.4	1346.6	1265.4	1184.2	1164.0	1028.3	847.5	757.1	705.7	602.9	525.8
132.5°	1208.6	1281.3	1208.6	1136.0	1117.8	996.4	834.5	753.6	706.4	612.1	541.4
135°	1130.9	1193.5	1130.9	1068.3	1052.6	951.0	815.4	747.6	705.7	622.1	559.4
137.5°	1068.5	1119.8	1068.5	1017.2	1004.4	918.4	803.8	746.5	710.1	637.1	582.5
140°	1025.7	1073.7	1025.7	977.8	965.8	891.6	792.5	743.0	710.9	646.4	598.1
142.5°	990.2	1031.5	990.2	948.9	938.7	873.5	786.5	743.0	713.4	654.1	609.6
145°	937.1	968.3	937.1	905.9	898.1	844.7	773.6	738.0	713.4	664.1	627.1
147.5°	896.2	922.1	896.2	870.5	864.0	822.0	766.0	738.0	718.2	678.8	649.2
150°	870.6	891.6	870.6	849.6	844.4	808.9	761.6	738.0	720.8	686.5	660.8
152.5°	848.6	864.4	848.6	832.8	828.8	798.6	758.1	738.0	722.5	691.6	668.3
155°	823.4	833.8	823.4	812.9	810.3	786.1	754.1	738.0	726.2	702.5	684.8
157.5°	803.4	810.8	803.4	796.0	794.2	775.5	750.5	738.0	729.9	713.6	701.4
160°	791.5	795.7	791.5	787.2	786.1	770.1	748.6	738.0	731.5	718.6	708.9
162.5°	783.7	787.7	783.7	779.7	778.7	765.1	747.0	738.0	733.3	723.9	717.0
165°	772.4	776.7	772.4	768.1	767.1	757.4	744.5	738.0	735.9	731.7	728.5
167.5°	764.3	766.1	764.3	762.6	762.1	755.7	747.3	743.0	741.3	737.7	735.0
170°	762.1	762.1	762.1	762.1	762.1	755.7	747.3	743.0	742.9	742.7	742.5
172.5°	756.1	754.6	756.1	757.7	758.0	753.0	746.3	743.0	743.0	743.0	743.0
175°	752.5	752.5	752.5	752.5	752.5	749.3	745.2	743.0	744.0	746.0	747.6
177.5°	749.3	747.6	749.3	751.1	751.6	749.0	745.6	744.0	744.8	746.4	747.6
180°	747.6	747.6	747.6	747.6	747.6	747.6	747.6	747.6	747.6	747.6	747.6

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CATALOG NUMBER: SQ4-FA-125U-125D-B35-1D-UNV-W2A-W-4

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1733.3	1733.3	1733.3	1733.3	1733.3	1733.3	1733.3	1733.3	1733.3	1733.3	1733.3
2.5°	1758.0	1748.1	1748.1	1731.7	1725.1	1720.2	1712.0	1687.4	1680.8	1674.3	1684.1
5°	1772.7	1754.7	1741.5	1712.0	1687.4	1677.5	1646.4	1587.4	1548.1	1518.5	1502.1
7.5°	1776.0	1753.0	1728.4	1682.5	1623.5	1597.2	1502.1	1393.9	1364.4	1338.1	1321.7
10°	1772.7	1746.4	1712.0	1643.1	1503.8	1457.9	1362.7	1292.2	1274.1	1269.3	1274.1
12.5°	1761.3	1736.6	1689.1	1574.2	1379.1	1348.0	1292.2	1251.2	1248.0	1256.1	1300.4
15°	1741.5	1718.6	1662.8	1482.5	1310.3	1287.3	1248.0	1233.1	1251.2	1308.6	1441.5
17.5°	1721.8	1695.7	1626.8	1392.3	1257.8	1241.4	1213.5	1243.0	1344.7	1421.7	1466.0
20°	1695.7	1664.5	1585.8	1326.7	1220.1	1205.3	1192.2	1325.0	1402.0	1430.0	1454.6
22.5°	1664.5	1631.7	1530.0	1280.7	1180.7	1169.2	1177.4	1370.9	1402.0	1421.7	1443.0
25°	1623.5	1595.6	1464.4	1244.7	1149.5	1136.4	1167.5	1366.0	1384.0	1389.0	1431.6
27.5°	1585.8	1549.6	1395.6	1211.8	1111.8	1106.9	1175.8	1344.7	1357.8	1362.7	1408.6
30°	1539.8	1485.7	1318.4	1177.4	1072.5	1070.8	1177.4	1318.4	1315.1	1328.3	1374.2
32.5°	1492.3	1390.6	1231.5	1134.8	1034.8	1033.1	1165.9	1279.1	1275.8	1293.8	1328.3
35°	1448.0	1316.8	1113.5	1085.6	987.2	988.9	1138.1	1233.1	1234.8	1251.2	1272.5
37.5°	1402.0	1252.8	983.9	1031.5	941.3	941.3	1100.3	1190.5	1187.2	1192.2	1221.7
40°	1348.0	1152.8	869.1	961.0	898.7	893.7	1054.5	1144.6	1133.1	1131.5	1172.5
42.5°	1290.6	1042.9	783.8	867.4	849.4	842.9	998.7	1088.9	1067.5	1072.5	1124.9
45°	1228.2	1013.5	718.2	733.0	798.6	793.7	938.0	1024.9	1010.2	1023.3	1077.4
47.5°	1165.9	954.4	696.9	608.4	744.5	742.8	870.7	962.6	954.4	967.5	1024.9
50°	1080.6	888.8	695.3	521.5	683.8	690.4	790.4	901.9	901.9	913.4	974.0
52.5°	970.8	808.4	631.3	472.3	613.3	633.0	719.9	849.4	852.7	864.3	918.3
55°	870.7	724.8	585.5	434.6	529.7	572.3	651.1	795.4	801.8	813.4	862.6
57.5°	779.0	603.5	575.6	390.3	452.6	493.6	590.3	742.8	746.1	756.0	803.5
60°	680.5	436.2	528.0	342.7	385.4	416.5	534.6	680.5	692.1	698.6	739.5
62.5°	569.0	316.5	478.9	309.9	352.5	359.1	488.7	621.5	636.2	641.2	665.8
65°	405.0	265.7	406.7	282.1	318.1	319.8	439.4	560.9	573.9	582.2	600.2
67.5°	273.8	216.5	309.9	255.8	291.9	293.5	392.0	490.3	508.3	514.9	526.4
70°	190.2	144.3	229.6	227.9	262.4	265.7	341.1	426.4	442.7	447.7	454.3
72.5°	139.3	116.5	190.2	204.9	231.2	234.5	288.6	354.2	370.6	375.5	378.8
75°	106.6	123.0	154.2	178.8	196.8	198.5	236.1	288.6	300.1	303.4	305.0
77.5°	85.3	114.8	113.2	144.3	160.7	157.5	185.3	223.1	232.9	232.9	232.9
80°	64.0	90.2	85.3	103.3	118.0	114.8	132.8	159.1	162.3	165.6	164.0
82.5°	47.6	57.4	57.4	65.6	78.7	75.4	88.6	103.3	103.3	103.3	106.6
85°	29.6	32.8	26.3	34.4	44.3	42.6	49.2	55.7	57.4	57.4	54.1
87.5°	18.0	14.7	8.2	13.1	19.7	19.7	23.0	24.6	23.0	23.0	23.0
90°	13.1	9.0	5.0	9.0	13.1	14.1	22.1	32.8	38.1	33.8	25.4
92.5°	88.3	54.2	20.1	54.2	88.3	96.8	136.1	188.6	214.7	188.2	135.2
95°	173.1	110.6	48.2	110.6	173.1	188.7	335.0	530.0	627.6	560.1	425.0
97.5°	193.4	138.3	83.2	138.3	193.4	207.2	451.2	776.5	939.2	896.4	811.1
100°	210.3	160.4	110.4	160.4	210.3	222.8	493.5	854.5	1035.0	1038.1	1044.4
102.5°	226.6	180.0	133.4	180.0	226.6	238.3	512.9	879.1	1062.1	1116.6	1225.4
105°	251.6	212.1	172.6	212.1	251.6	261.4	527.3	881.9	1059.1	1181.1	1425.0
107.5°	286.3	249.5	212.7	249.5	286.3	295.5	530.0	842.6	998.9	1169.1	1509.3
110°	306.2	273.1	239.8	273.1	306.2	314.5	526.0	807.9	948.7	1139.0	1519.4

TEST NUMBER: P935798

CATALOG NUMBER: SQ4-FA-125U-125D-B35-1D-UNV-W2A-W-4

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	329.7	298.1	266.4	298.1	329.7	337.6	526.1	777.4	903.1	1097.8	1487.1
115°	365.0	335.8	306.5	335.8	365.0	372.3	531.0	742.5	848.4	1035.9	1411.0
117.5°	399.3	372.8	346.2	372.8	399.3	405.9	540.9	720.8	810.8	979.9	1318.4
120°	419.3	394.3	369.3	394.3	419.3	425.5	548.9	713.5	795.7	950.4	1259.6
122.5°	442.3	417.1	391.9	417.1	442.3	448.6	560.5	709.6	784.2	923.5	1201.9
125°	472.4	449.4	426.5	449.4	472.4	478.1	576.0	706.4	771.6	889.9	1126.5
127.5°	500.9	477.7	454.6	477.7	500.9	506.7	591.5	704.6	761.1	862.6	1065.8
130°	519.6	494.6	469.6	494.6	519.6	525.8	602.9	705.7	757.1	847.5	1028.3
132.5°	535.2	510.2	485.2	510.2	535.2	541.4	612.1	706.4	753.6	834.5	996.4
135°	553.7	531.0	508.2	531.0	553.7	559.4	622.1	705.7	747.6	815.4	951.0
137.5°	576.8	554.3	531.8	554.3	576.8	582.5	637.1	710.1	746.5	803.8	918.4
140°	592.8	572.1	551.4	572.1	592.8	598.1	646.4	710.9	743.0	792.5	891.6
142.5°	604.8	585.6	566.4	585.6	604.8	609.6	654.1	713.4	743.0	786.5	873.5
145°	623.0	606.2	589.5	606.2	623.0	627.1	664.1	713.4	738.0	773.6	844.7
147.5°	645.2	628.9	612.6	628.9	645.2	649.2	678.8	718.2	738.0	766.0	822.0
150°	657.1	642.4	627.6	642.4	657.1	660.8	686.5	720.8	738.0	761.6	808.9
152.5°	665.5	654.4	643.2	654.4	665.5	668.3	691.6	722.5	738.0	758.1	798.6
155°	682.8	674.5	666.3	674.5	682.8	684.8	702.5	726.2	738.0	754.1	786.1
157.5°	699.3	691.4	683.3	691.4	699.3	701.4	713.6	729.9	738.0	750.5	775.5
160°	707.4	701.1	694.9	701.1	707.4	708.9	718.6	731.5	738.0	748.6	770.1
162.5°	715.8	711.1	706.4	711.1	715.8	717.0	723.9	733.3	738.0	747.0	765.1
165°	727.4	723.2	718.9	723.2	727.4	728.5	731.7	735.9	738.0	744.5	757.4
167.5°	734.5	732.5	730.5	732.5	734.5	735.0	737.7	741.3	743.0	747.3	755.7
170°	742.1	740.0	738.0	740.0	742.1	742.5	742.7	742.9	743.0	747.3	755.7
172.5°	742.9	742.4	742.1	742.4	742.9	743.0	743.0	743.0	743.0	746.3	753.0
175°	747.6	747.6	747.6	747.6	747.6	747.6	746.0	744.0	743.0	745.2	749.3
177.5°	747.6	747.6	747.6	747.6	747.6	747.6	746.4	744.8	744.0	745.6	749.0
180°	747.6	747.6	747.6	747.6	747.6	747.6	747.6	747.6	747.6	747.6	747.6

TEST NUMBER: P935798

CATALOG NUMBER: SQ4-FA-125U-125D-B35-1D-UNV-W2A-W-4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1733.3	1733.3	1733.3	1733.3	1733.3	1733.3	1733.3	1733.3	1733.3	1733.3	1733.3
2.5°	1672.7	1667.7	1674.3	1656.2	1674.3	1667.7	1672.7	1684.1	1674.3	1680.8	1687.4
5°	1467.6	1459.5	1433.2	1411.9	1433.2	1459.5	1467.6	1502.1	1518.5	1548.1	1587.4
7.5°	1311.9	1305.3	1298.8	1285.7	1298.8	1305.3	1311.9	1321.7	1338.1	1364.4	1393.9
10°	1277.4	1279.1	1289.0	1287.3	1289.0	1279.1	1277.4	1274.1	1269.3	1274.1	1292.2
12.5°	1366.0	1380.7	1434.9	1431.6	1434.9	1380.7	1366.0	1300.4	1256.1	1248.0	1251.2
15°	1467.6	1472.6	1484.1	1485.7	1484.1	1472.6	1467.6	1441.5	1308.6	1251.2	1233.1
17.5°	1477.5	1479.2	1487.3	1487.3	1487.3	1479.2	1477.5	1466.0	1421.7	1344.7	1243.0
20°	1469.3	1472.6	1489.0	1492.3	1489.0	1472.6	1469.3	1454.6	1430.0	1402.0	1325.0
22.5°	1466.0	1472.6	1485.7	1484.1	1485.7	1472.6	1466.0	1443.0	1421.7	1402.0	1370.9
25°	1449.6	1449.6	1451.3	1452.9	1451.3	1449.6	1449.6	1431.6	1389.0	1384.0	1366.0
27.5°	1415.2	1418.5	1428.3	1426.7	1428.3	1418.5	1415.2	1408.6	1362.7	1357.8	1344.7
30°	1384.0	1380.7	1372.6	1366.0	1372.6	1380.7	1384.0	1374.2	1328.3	1315.1	1318.4
32.5°	1331.6	1323.4	1315.1	1310.3	1315.1	1323.4	1331.6	1328.3	1293.8	1275.8	1279.1
35°	1269.3	1270.8	1269.3	1264.4	1269.3	1270.8	1269.3	1272.5	1251.2	1234.8	1233.1
37.5°	1225.0	1228.2	1226.7	1220.1	1226.7	1228.2	1225.0	1221.7	1192.2	1187.2	1190.5
40°	1179.1	1180.7	1179.1	1174.1	1179.1	1180.7	1179.1	1172.5	1131.5	1133.1	1144.6
42.5°	1134.8	1133.1	1128.2	1124.9	1128.2	1133.1	1134.8	1124.9	1072.5	1067.5	1088.9
45°	1083.9	1085.6	1075.8	1070.8	1075.8	1085.6	1083.9	1077.4	1023.3	1010.2	1024.9
47.5°	1033.1	1033.1	1024.9	1020.0	1024.9	1033.1	1033.1	1024.9	967.5	954.4	962.6
50°	979.0	977.3	965.9	964.3	965.9	977.3	979.0	974.0	913.4	901.9	901.9
52.5°	916.7	916.7	918.3	921.6	918.3	916.7	916.7	918.3	864.3	852.7	849.4
55°	862.6	864.3	875.7	879.0	875.7	864.3	862.6	862.6	813.4	801.8	795.4
57.5°	806.8	806.8	815.0	815.0	815.0	806.8	806.8	803.5	756.0	746.1	742.8
60°	742.8	746.1	752.7	751.1	752.7	746.1	742.8	739.5	698.6	692.1	680.5
62.5°	675.6	678.9	680.5	677.2	680.5	678.9	675.6	665.8	641.2	636.2	621.5
65°	605.1	608.4	610.0	606.8	610.0	608.4	605.1	600.2	582.2	573.9	560.9
67.5°	532.9	531.3	529.7	536.2	529.7	531.3	532.9	526.4	514.9	508.3	490.3
70°	459.1	459.1	457.6	460.8	457.6	459.1	459.1	454.3	447.7	442.7	426.4
72.5°	380.4	378.8	385.4	380.4	385.4	378.8	380.4	378.8	375.5	370.6	354.2
75°	303.4	306.7	303.4	308.3	303.4	306.7	303.4	305.0	303.4	300.1	288.6
77.5°	231.2	234.5	231.2	231.2	231.2	234.5	231.2	232.9	232.9	232.9	223.1
80°	164.0	162.3	162.3	160.7	162.3	162.3	164.0	164.0	165.6	162.3	159.1
82.5°	104.9	103.3	103.3	106.6	103.3	103.3	104.9	106.6	103.3	103.3	103.3
85°	57.4	59.0	55.7	55.7	55.7	59.0	57.4	54.1	57.4	57.4	55.7
87.5°	21.3	19.7	19.7	19.7	19.7	19.7	21.3	23.0	23.0	23.0	24.6
90°	19.1	19.1	19.1	19.1	19.1	19.1	19.1	25.4	33.8	38.1	32.8
92.5°	95.3	91.6	76.4	61.2	76.4	91.6	95.3	135.2	188.2	214.7	188.6
95°	323.6	312.1	266.2	220.3	266.2	312.1	323.6	425.0	560.1	627.6	530.0
97.5°	747.0	725.2	637.8	550.4	637.8	725.2	747.0	811.1	896.4	939.2	776.5
100°	1049.0	1023.0	918.9	814.7	918.9	1023.0	1049.0	1044.4	1038.1	1035.0	854.5
102.5°	1307.0	1284.7	1195.5	1106.3	1195.5	1284.7	1307.0	1225.4	1116.6	1062.1	879.1
105°	1608.0	1595.9	1548.1	1500.1	1548.1	1595.9	1608.0	1425.0	1181.1	1059.1	881.9
107.5°	1764.5	1767.4	1779.0	1790.6	1779.0	1767.4	1764.5	1509.3	1169.1	998.9	842.6
110°	1804.7	1817.2	1867.1	1917.0	1867.1	1817.2	1804.7	1519.4	1139.0	948.7	807.9

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1779.1	1798.3	1874.9	1951.7	1874.9	1798.3	1779.1	1487.1	1097.8	903.1	777.4
115°	1692.3	1718.8	1825.2	1931.6	1825.2	1718.8	1692.3	1411.0	1035.9	848.4	742.5
117.5°	1572.3	1601.8	1719.8	1837.7	1719.8	1601.8	1572.3	1318.4	979.9	810.8	720.8
120°	1491.6	1520.3	1634.8	1749.4	1634.8	1520.3	1491.6	1259.6	950.4	795.7	713.5
122.5°	1410.8	1439.1	1552.0	1665.1	1552.0	1439.1	1410.8	1201.9	923.5	784.2	709.6
125°	1303.9	1330.0	1434.0	1538.2	1434.0	1330.0	1303.9	1126.5	889.9	771.6	706.4
127.5°	1218.1	1240.1	1327.9	1415.8	1327.9	1240.1	1218.1	1065.8	862.6	761.1	704.6
130°	1164.0	1184.2	1265.4	1346.6	1265.4	1184.2	1164.0	1028.3	847.5	757.1	705.7
132.5°	1117.8	1136.0	1208.6	1281.3	1208.6	1136.0	1117.8	996.4	834.5	753.6	706.4
135°	1052.6	1068.3	1130.9	1193.5	1130.9	1068.3	1052.6	951.0	815.4	747.6	705.7
137.5°	1004.4	1017.2	1068.5	1119.8	1068.5	1017.2	1004.4	918.4	803.8	746.5	710.1
140°	965.8	977.8	1025.7	1073.7	1025.7	977.8	965.8	891.6	792.5	743.0	710.9
142.5°	938.7	948.9	990.2	1031.5	990.2	948.9	938.7	873.5	786.5	743.0	713.4
145°	898.1	905.9	937.1	968.3	937.1	905.9	898.1	844.7	773.6	738.0	713.4
147.5°	864.0	870.5	896.2	922.1	896.2	870.5	864.0	822.0	766.0	738.0	718.2
150°	844.4	849.6	870.6	891.6	870.6	849.6	844.4	808.9	761.6	738.0	720.8
152.5°	828.8	832.8	848.6	864.4	848.6	832.8	828.8	798.6	758.1	738.0	722.5
155°	810.3	812.9	823.4	833.8	823.4	812.9	810.3	786.1	754.1	738.0	726.2
157.5°	794.2	796.0	803.4	810.8	803.4	796.0	794.2	775.5	750.5	738.0	729.9
160°	786.1	787.2	791.5	795.7	791.5	787.2	786.1	770.1	748.6	738.0	731.5
162.5°	778.7	779.7	783.7	787.7	783.7	779.7	778.7	765.1	747.0	738.0	733.3
165°	767.1	768.1	772.4	776.7	772.4	768.1	767.1	757.4	744.5	738.0	735.9
167.5°	762.1	762.6	764.3	766.1	764.3	762.6	762.1	755.7	747.3	743.0	741.3
170°	762.1	762.1	762.1	762.1	762.1	762.1	762.1	755.7	747.3	743.0	742.9
172.5°	758.0	757.7	756.1	754.6	756.1	757.7	758.0	753.0	746.3	743.0	743.0
175°	752.5	752.5	752.5	752.5	752.5	752.5	752.5	749.3	745.2	743.0	744.0
177.5°	751.6	751.1	749.3	747.6	749.3	751.1	751.6	749.0	745.6	744.0	744.8
180°	747.6	747.6	747.6	747.6	747.6	747.6	747.6	747.6	747.6	747.6	747.6

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1733.3	1733.3	1733.3	1733.3	1733.3
2.5°	1712.0	1720.2	1725.1	1731.7	1748.1
5°	1646.4	1677.5	1687.4	1712.0	1741.5
7.5°	1502.1	1597.2	1623.5	1682.5	1728.4
10°	1362.7	1457.9	1503.8	1643.1	1712.0
12.5°	1292.2	1348.0	1379.1	1574.2	1689.1
15°	1248.0	1287.3	1310.3	1482.5	1662.8
17.5°	1213.5	1241.4	1257.8	1392.3	1626.8
20°	1192.2	1205.3	1220.1	1326.7	1585.8
22.5°	1177.4	1169.2	1180.7	1280.7	1530.0
25°	1167.5	1136.4	1149.5	1244.7	1464.4
27.5°	1175.8	1106.9	1111.8	1211.8	1395.6
30°	1177.4	1070.8	1072.5	1177.4	1318.4
32.5°	1165.9	1033.1	1034.8	1134.8	1231.5
35°	1138.1	988.9	987.2	1085.6	1113.5
37.5°	1100.3	941.3	941.3	1031.5	983.9
40°	1054.5	893.7	898.7	961.0	869.1
42.5°	998.7	842.9	849.4	867.4	783.8
45°	938.0	793.7	798.6	733.0	718.2
47.5°	870.7	742.8	744.5	608.4	696.9
50°	790.4	690.4	683.8	521.5	695.3
52.5°	719.9	633.0	613.3	472.3	631.3
55°	651.1	572.3	529.7	434.6	585.5
57.5°	590.3	493.6	452.6	390.3	575.6
60°	534.6	416.5	385.4	342.7	528.0
62.5°	488.7	359.1	352.5	309.9	478.9
65°	439.4	319.8	318.1	282.1	406.7
67.5°	392.0	293.5	291.9	255.8	309.9
70°	341.1	265.7	262.4	227.9	229.6
72.5°	288.6	234.5	231.2	204.9	190.2
75°	236.1	198.5	196.8	178.8	154.2
77.5°	185.3	157.5	160.7	144.3	113.2
80°	132.8	114.8	118.0	103.3	85.3
82.5°	88.6	75.4	78.7	65.6	57.4
85°	49.2	42.6	44.3	34.4	26.3
87.5°	23.0	19.7	19.7	13.1	8.2
90°	22.1	14.1	13.1	9.0	5.0
92.5°	136.1	96.8	88.3	54.2	20.1
95°	335.0	188.7	173.1	110.6	48.2
97.5°	451.2	207.2	193.4	138.3	83.2
100°	493.5	222.8	210.3	160.4	110.4
102.5°	512.9	238.3	226.6	180.0	133.4
105°	527.3	261.4	251.6	212.1	172.6
107.5°	530.0	295.5	286.3	249.5	212.7
110°	526.0	314.5	306.2	273.1	239.8

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	526.1	337.6	329.7	298.1	266.4
115°	531.0	372.3	365.0	335.8	306.5
117.5°	540.9	405.9	399.3	372.8	346.2
120°	548.9	425.5	419.3	394.3	369.3
122.5°	560.5	448.6	442.3	417.1	391.9
125°	576.0	478.1	472.4	449.4	426.5
127.5°	591.5	506.7	500.9	477.7	454.6
130°	602.9	525.8	519.6	494.6	469.6
132.5°	612.1	541.4	535.2	510.2	485.2
135°	622.1	559.4	553.7	531.0	508.2
137.5°	637.1	582.5	576.8	554.3	531.8
140°	646.4	598.1	592.8	572.1	551.4
142.5°	654.1	609.6	604.8	585.6	566.4
145°	664.1	627.1	623.0	606.2	589.5
147.5°	678.8	649.2	645.2	628.9	612.6
150°	686.5	660.8	657.1	642.4	627.6
152.5°	691.6	668.3	665.5	654.4	643.2
155°	702.5	684.8	682.8	674.5	666.3
157.5°	713.6	701.4	699.3	691.4	683.3
160°	718.6	708.9	707.4	701.1	694.9
162.5°	723.9	717.0	715.8	711.1	706.4
165°	731.7	728.5	727.4	723.2	718.9
167.5°	737.7	735.0	734.5	732.5	730.5
170°	742.7	742.5	742.1	740.0	738.0
172.5°	743.0	743.0	742.9	742.4	742.1
175°	746.0	747.6	747.6	747.6	747.6
177.5°	746.4	747.6	747.6	747.6	747.6
180°	747.6	747.6	747.6	747.6	747.6

(END OF REPORT)