

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: STREETWORKS

Report Number: P560463

Luminaire Tested: **SDL-PA1-40-830-U-5WQ**

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P560463  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: SDL-PA1-40-830-U-5WQ  
Description: Springdale  
(1) 80 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4071 lumens  
Efficiency: N/A  
Efficacy: 103.3 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2

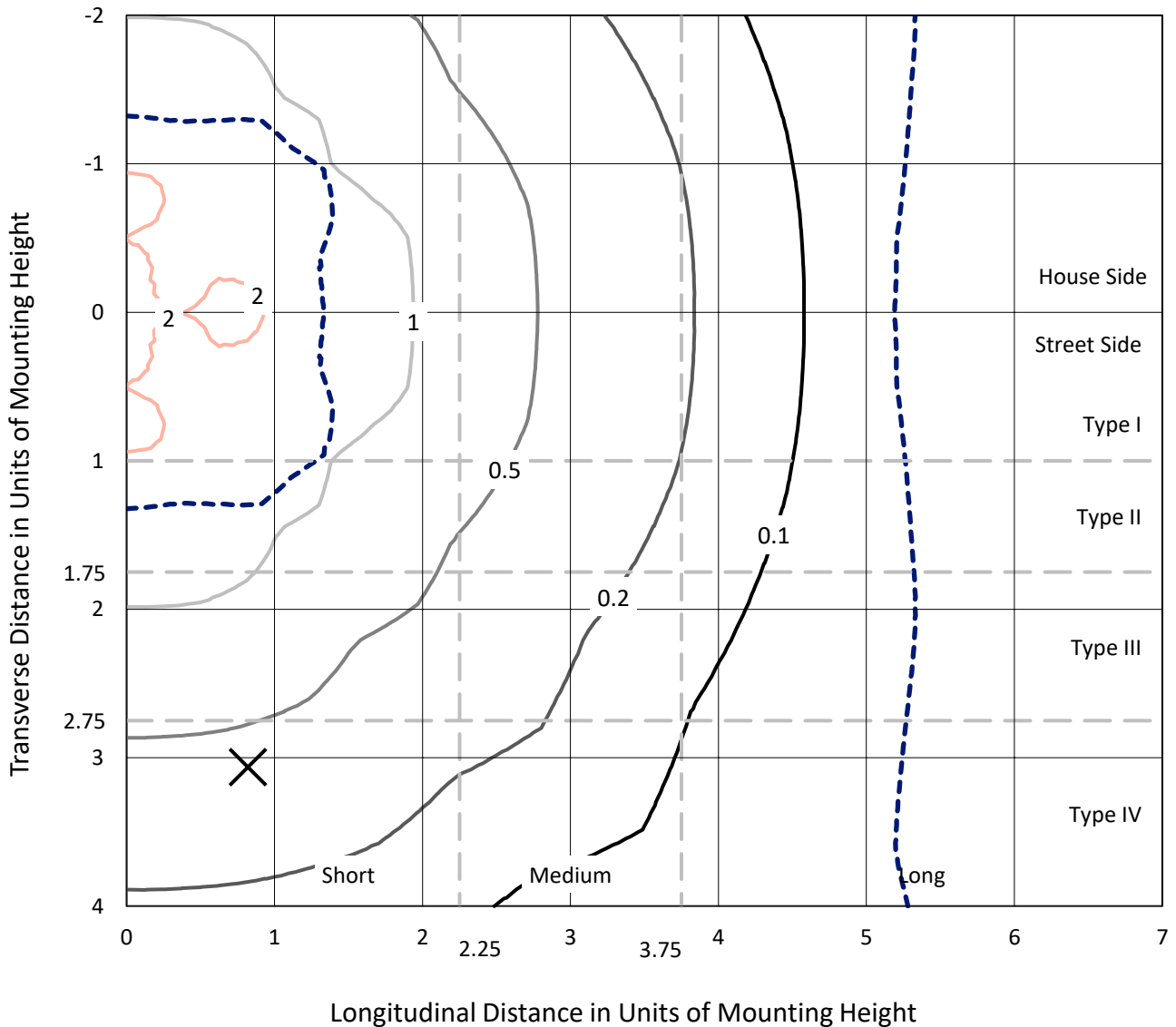
Input Watts (W): 39.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

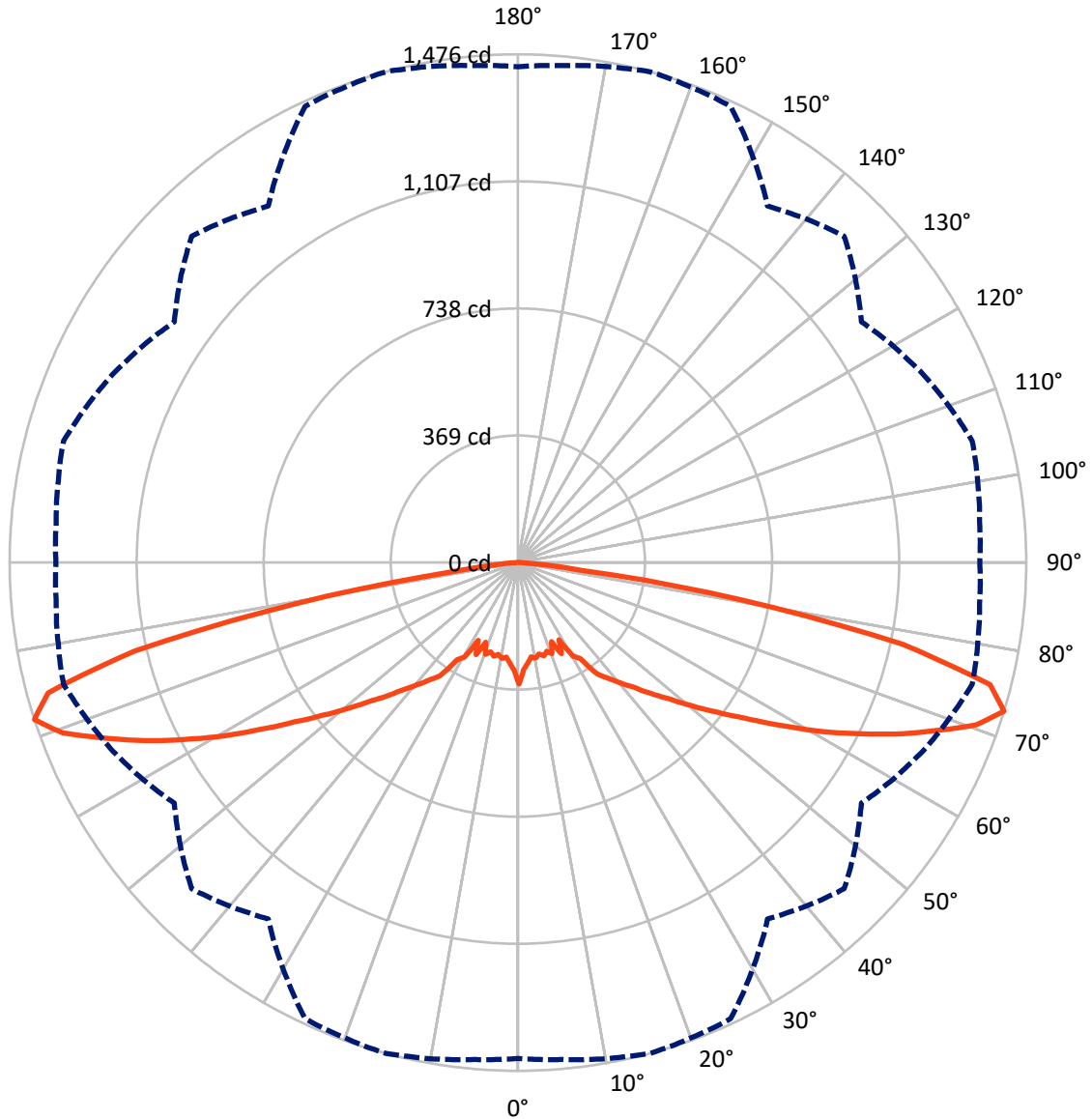
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.5 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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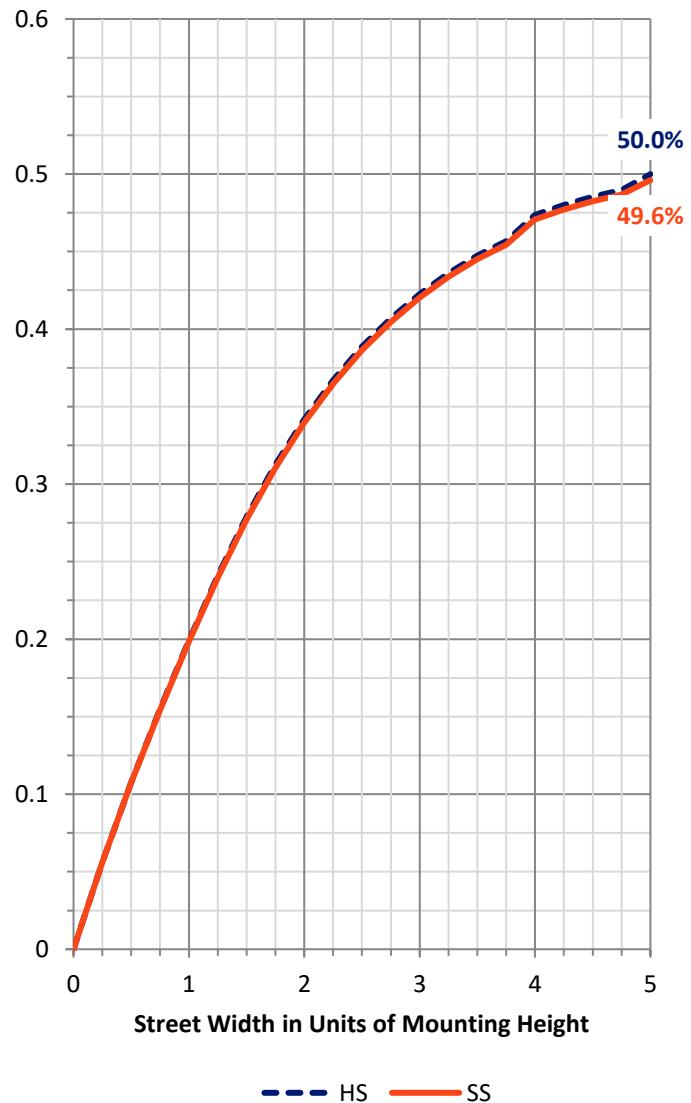
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2035.5	0.0	2035.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2035.5	0.0	2035.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4071.0	0.0	4071.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	27.7	0.7
10°-20°	64.3	1.6
20°-30°	114.7	2.8
30°-40°	219.3	5.4
40°-50°	373.6	9.2
50°-60°	653.9	16.1
60°-70°	1103.4	27.1
70°-80°	1287.1	31.6
80°-90°	227.0	5.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4071.0	100.0
0°-180°	4071.0	100.0



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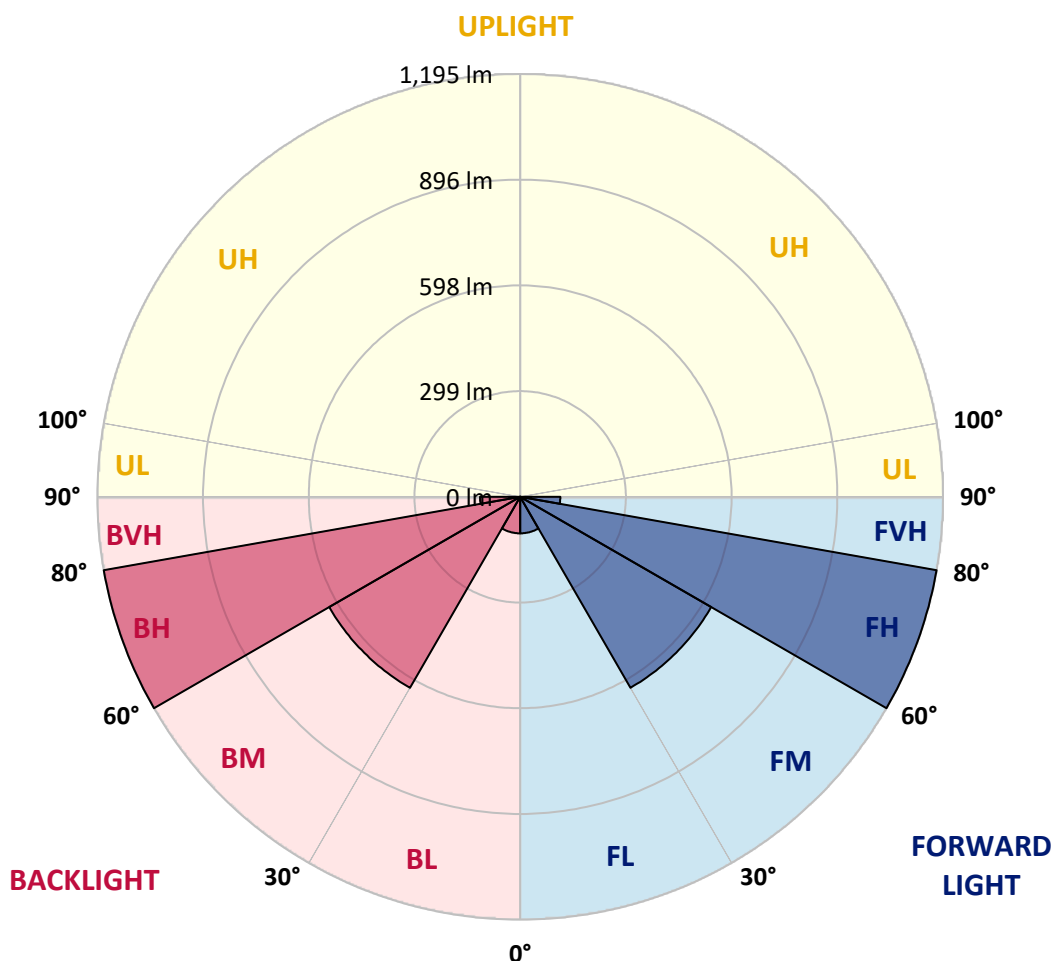
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	103.3	2.5			
FM (30°-60°)	623.4	15.3			
FH (60°-80°)	1195.2	29.4			G1/1800
FVH (80°-90°)	113.5	2.8			G2/225
BL (0°-30°)	103.3	2.5	B0/110		
BM (30°-60°)	623.4	15.3	B1/1000		
BH (60°-80°)	1195.2	29.4	B3/2500		G1/1800
BVH (80°-90°)	113.5	2.8			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	352.5	352.5	352.5	352.5	352.5	352.5	352.5	352.5	352.5	352.5	352.5
2.5°	312.3	313.8	313.8	313.8	313.8	312.3	312.3	316.6	320.9	325.2	329.5
5°	295.2	295.2	295.2	295.2	295.2	293.7	293.7	293.7	293.7	293.7	293.7
7.5°	252.2	255.0	256.5	262.2	266.5	272.2	276.5	278.0	279.4	279.4	280.8
10°	283.7	283.7	283.7	283.7	283.7	282.3	282.3	279.4	278.0	275.1	272.2
12.5°	249.3	247.9	246.4	253.6	259.3	266.5	272.2	273.7	275.1	276.5	278.0
15°	286.6	286.6	286.6	285.1	283.7	282.3	280.8	270.8	260.8	249.3	239.3
17.5°	243.6	245.0	245.0	252.2	257.9	265.1	270.8	267.9	265.1	260.8	257.9
20°	292.3	292.3	292.3	289.4	288.0	285.1	282.3	265.1	247.9	229.2	212.1
22.5°	247.9	247.9	247.9	247.9	249.3	249.3	249.3	250.7	252.2	253.6	255.0
25°	302.3	303.7	303.7	300.9	299.5	296.6	293.7	279.4	263.6	249.3	233.5
27.5°	260.8	260.8	260.8	259.3	257.9	255.0	253.6	256.5	260.8	263.6	266.5
30°	319.5	319.5	319.5	318.1	318.1	316.6	315.2	300.9	285.1	270.8	255.0
32.5°	388.3	386.9	385.4	372.5	359.6	345.3	332.4	325.2	318.1	309.5	302.3
35°	412.6	412.6	411.2	408.3	405.5	401.2	398.3	384.0	369.7	355.3	341.0
37.5°	437.0	437.0	435.6	434.1	431.3	429.8	427.0	411.2	396.9	381.1	365.4
40°	467.1	468.5	468.5	467.1	464.2	462.8	459.9	442.7	427.0	409.8	392.6
42.5°	504.3	504.3	502.9	501.5	500.0	497.2	495.7	480.0	462.8	447.0	429.8
45°	548.8	548.8	547.3	545.9	545.9	544.5	543.0	528.7	512.9	498.6	482.8
47.5°	603.2	601.8	600.3	598.9	596.0	594.6	591.7	576.0	561.6	545.9	530.1
50°	660.5	660.5	660.5	659.1	657.6	654.8	653.3	639.0	624.7	608.9	594.6
52.5°	722.1	723.6	723.6	723.6	722.1	722.1	720.7	706.4	692.0	676.3	661.9
55°	795.2	795.2	795.2	795.2	796.6	796.6	796.6	782.3	768.0	753.6	739.3
57.5°	878.3	884.0	888.3	888.3	888.3	888.3	888.3	874.0	859.7	845.3	831.0
60°	974.3	975.7	977.2	981.5	984.3	988.6	991.5	978.6	965.7	952.8	939.9
62.5°	1068.9	1071.7	1073.2	1078.9	1083.2	1088.9	1093.2	1084.6	1074.6	1066.0	1056.0
65°	1166.3	1169.1	1170.6	1177.7	1186.3	1193.5	1200.7	1193.5	1187.8	1180.6	1173.4
67.5°	1269.4	1272.3	1273.7	1280.9	1289.5	1296.7	1303.8	1301.0	1298.1	1295.2	1292.4
70°	1379.8	1381.2	1381.2	1388.4	1397.0	1404.1	1411.3	1409.9	1408.4	1407.0	1405.6
72.5°	1439.9	1444.2	1448.5	1455.7	1462.9	1468.6	1475.8	1472.9	1468.6	1465.7	1461.4
75°	1362.6	1365.4	1368.3	1379.8	1392.7	1404.1	1415.6	1419.9	1425.6	1429.9	1434.2
77.5°	1067.4	1080.3	1091.8	1104.7	1116.1	1129.0	1140.5	1164.8	1187.8	1212.1	1235.1
80°	528.7	535.9	543.0	571.7	600.3	629.0	657.6	700.6	745.0	788.0	831.0
82.5°	127.5	127.5	127.5	143.3	157.6	173.4	187.7	226.4	266.5	305.2	343.9
85°	25.8	27.2	28.7	35.8	43.0	48.7	55.9	61.6	67.3	73.1	78.8
87.5°	4.3	4.3	4.3	4.3	5.7	5.7	5.7	7.2	8.6	8.6	10.0
90°	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):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	352.5	352.5	352.5	352.5	352.5	352.5	352.5	352.5	352.5	352.5	352.5
2.5°	331.0	333.8	335.3	336.7	338.1	339.6	341.0	342.4	343.9	343.9	345.3
5°	293.7	293.7	293.7	293.7	293.7	293.7	293.7	293.7	295.2	296.6	298.0
7.5°	282.3	283.7	285.1	286.6	286.6	286.6	285.1	285.1	283.7	283.7	282.3
10°	265.1	257.9	249.3	242.1	242.1	243.6	243.6	243.6	239.3	236.4	232.1
12.5°	272.2	266.5	259.3	253.6	243.6	235.0	224.9	214.9	212.1	209.2	206.3
15°	230.7	223.5	214.9	206.3	202.0	196.3	192.0	186.3	184.8	183.4	180.5
17.5°	250.7	243.6	235.0	227.8	213.5	199.2	184.8	170.5	177.7	186.3	193.4
20°	213.5	213.5	214.9	214.9	214.9	213.5	213.5	212.1	207.8	202.0	197.7
22.5°	243.6	230.7	219.2	206.3	209.2	212.1	214.9	217.8	210.6	203.5	194.9
25°	237.8	242.1	245.0	249.3	237.8	226.4	213.5	202.0	207.8	213.5	219.2
27.5°	257.9	249.3	239.3	230.7	235.0	239.3	242.1	246.4	239.3	232.1	224.9
30°	256.5	257.9	257.9	259.3	253.6	246.4	240.7	233.5	236.4	240.7	243.6
32.5°	293.7	283.7	275.1	265.1	265.1	265.1	263.6	263.6	263.6	265.1	265.1
35°	328.1	316.6	303.7	290.9	288.0	286.6	283.7	280.8	283.7	286.6	289.4
37.5°	352.5	338.1	325.2	310.9	309.5	308.0	305.2	303.7	303.7	303.7	303.7
40°	379.7	366.8	353.9	341.0	338.1	335.3	331.0	328.1	326.7	325.2	322.4
42.5°	416.9	402.6	389.7	375.4	371.1	365.4	361.1	355.3	353.9	352.5	349.6
45°	465.7	447.0	429.8	411.2	405.5	401.2	395.4	389.7	388.3	385.4	384.0
47.5°	510.1	491.4	471.4	451.3	448.5	444.2	441.3	437.0	434.1	429.8	427.0
50°	570.2	544.5	520.1	494.3	494.3	492.9	492.9	491.4	485.7	480.0	474.2
52.5°	637.6	611.8	587.4	561.6	558.8	557.4	554.5	551.6	545.9	540.2	533.0
55°	713.5	687.7	661.9	636.2	634.7	634.7	633.3	631.9	623.3	614.7	606.1
57.5°	805.2	780.9	755.1	729.3	730.7	730.7	732.1	732.1	720.7	709.2	696.3
60°	911.2	882.6	852.5	823.8	828.1	833.9	838.2	842.5	828.1	813.8	798.1
62.5°	1027.3	997.2	968.6	938.5	947.1	955.7	962.8	971.4	949.9	928.4	906.9
65°	1139.1	1104.7	1070.3	1035.9	1051.7	1068.9	1084.6	1100.4	1074.6	1048.8	1023.0
67.5°	1252.2	1213.6	1173.4	1133.3	1152.0	1170.6	1189.2	1207.8	1182.0	1154.8	1129.0
70°	1356.8	1308.1	1259.4	1210.7	1229.3	1248.0	1266.6	1285.2	1260.8	1236.5	1212.1
72.5°	1412.7	1362.6	1313.9	1263.7	1282.3	1302.4	1321.0	1339.6	1309.6	1279.5	1248.0
75°	1391.2	1346.8	1303.8	1259.4	1286.6	1313.9	1341.1	1368.3	1328.2	1286.6	1246.5
77.5°	1213.6	1193.5	1172.0	1150.5	1199.2	1248.0	1296.7	1345.4	1288.1	1229.3	1172.0
80°	845.3	861.1	875.4	889.8	960.0	1030.2	1098.9	1169.1	1101.8	1035.9	968.6
82.5°	388.3	432.7	475.7	520.1	590.3	660.5	729.3	799.5	725.0	650.5	574.5
85°	93.1	107.5	120.4	134.7	170.5	206.3	242.1	278.0	247.9	217.8	187.7
87.5°	11.5	12.9	12.9	14.3	12.9	12.9	11.5	10.0	11.5	11.5	12.9
90°	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°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	352.5	352.5	352.5	352.5	352.5	352.5	352.5	352.5	352.5	352.5	352.5
2.5°	345.3	346.7	346.7	348.2	348.2	348.2	348.2	346.7	346.7	346.7	348.2
5°	299.5	306.6	312.3	319.5	325.2	328.1	332.4	335.3	338.1	339.6	339.6
7.5°	280.8	278.0	273.7	270.8	266.5	272.2	279.4	285.1	290.9	292.3	293.7
10°	227.8	226.4	223.5	222.1	219.2	220.6	223.5	224.9	226.4	233.5	242.1
12.5°	203.5	204.9	206.3	207.8	209.2	204.9	200.6	194.9	190.6	197.7	204.9
15°	179.1	179.1	180.5	180.5	180.5	186.3	192.0	197.7	203.5	213.5	224.9
17.5°	200.6	197.7	194.9	190.6	187.7	189.1	189.1	190.6	190.6	196.3	200.6
20°	192.0	187.7	184.8	180.5	176.2	183.4	190.6	197.7	204.9	216.3	227.8
22.5°	187.7	196.3	203.5	212.1	219.2	214.9	210.6	204.9	200.6	200.6	200.6
25°	224.9	217.8	210.6	203.5	196.3	209.2	220.6	233.5	245.0	253.6	260.8
27.5°	217.8	223.5	229.2	233.5	239.3	246.4	253.6	260.8	267.9	280.8	292.3
30°	246.4	253.6	260.8	266.5	273.7	292.3	309.5	328.1	345.3	353.9	362.5
32.5°	265.1	279.4	292.3	306.6	319.5	329.5	339.6	349.6	359.6	368.2	378.3
35°	292.3	303.7	313.8	325.2	335.3	346.7	358.2	368.2	379.7	388.3	396.9
37.5°	303.7	316.6	329.5	341.0	353.9	368.2	381.1	395.4	408.3	415.5	421.2
40°	320.9	336.7	352.5	368.2	384.0	398.3	412.6	427.0	441.3	447.0	452.8
42.5°	348.2	365.4	382.6	398.3	415.5	431.3	445.6	461.4	475.7	481.4	487.1
45°	381.1	398.3	415.5	432.7	449.9	467.1	484.3	501.5	518.7	525.8	533.0
47.5°	422.7	439.9	458.5	475.7	492.9	514.4	534.4	555.9	576.0	581.7	587.4
50°	468.5	485.7	502.9	520.1	537.3	564.5	590.3	617.5	643.3	646.2	650.5
52.5°	527.3	544.5	560.2	577.4	593.2	623.3	653.3	682.0	712.1	713.5	716.4
55°	597.5	613.2	630.4	646.2	661.9	694.9	726.4	759.4	790.9	790.9	792.3
57.5°	684.9	702.1	719.3	735.0	752.2	783.7	815.3	845.3	876.9	875.4	874.0
60°	783.7	799.5	813.8	829.6	843.9	874.0	905.5	935.6	965.7	962.8	958.5
62.5°	885.5	902.7	919.8	935.6	952.8	977.2	1002.9	1027.3	1051.7	1045.9	1040.2
65°	997.2	1014.4	1033.0	1050.2	1067.4	1086.0	1106.1	1124.7	1143.4	1137.6	1133.3
67.5°	1101.8	1121.9	1141.9	1160.6	1180.6	1194.9	1209.3	1222.2	1236.5	1229.3	1222.2
70°	1187.8	1205.0	1222.2	1239.4	1256.5	1270.9	1285.2	1299.5	1313.9	1306.7	1299.5
72.5°	1217.9	1237.9	1258.0	1276.6	1296.7	1313.9	1331.1	1348.2	1365.4	1361.1	1355.4
75°	1205.0	1219.3	1233.6	1248.0	1262.3	1275.2	1289.5	1302.4	1315.3	1308.1	1301.0
77.5°	1113.3	1111.8	1109.0	1107.5	1104.7	1104.7	1106.1	1106.1	1106.1	1097.5	1088.9
80°	901.2	875.4	849.6	823.8	798.1	768.0	737.9	707.8	677.7	649.0	620.4
82.5°	500.0	441.3	384.0	325.2	266.5	242.1	216.3	192.0	166.2	154.7	141.8
85°	157.6	137.5	117.5	97.4	77.4	73.1	68.8	63.0	58.7	54.4	50.1
87.5°	12.9	11.5	11.5	10.0	8.6	7.2	7.2	5.7	4.3	4.3	4.3
90°	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):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	352.5	352.5	352.5	352.5	352.5	352.5	352.5	352.5	352.5	352.5	352.5
2.5°	348.2	348.2	348.2	348.2	348.2	348.2	348.2	348.2	346.7	346.7	346.7
5°	341.0	341.0	341.0	341.0	341.0	341.0	341.0	339.6	339.6	338.1	335.3
7.5°	293.7	295.2	295.2	293.7	295.2	295.2	293.7	293.7	292.3	290.9	285.1
10°	249.3	256.5	256.5	256.5	256.5	256.5	249.3	242.1	233.5	226.4	224.9
12.5°	212.1	219.2	219.2	219.2	219.2	219.2	212.1	204.9	197.7	190.6	194.9
15°	235.0	245.0	245.0	245.0	245.0	245.0	235.0	224.9	213.5	203.5	197.7
17.5°	206.3	210.6	212.1	212.1	212.1	210.6	206.3	200.6	196.3	190.6	190.6
20°	237.8	249.3	250.7	252.2	250.7	249.3	237.8	227.8	216.3	204.9	197.7
22.5°	199.2	199.2	200.6	200.6	200.6	199.2	199.2	200.6	200.6	200.6	204.9
25°	269.4	276.5	276.5	275.1	276.5	276.5	269.4	260.8	253.6	245.0	233.5
27.5°	305.2	316.6	319.5	320.9	319.5	316.6	305.2	292.3	280.8	267.9	260.8
30°	371.1	379.7	379.7	379.7	379.7	379.7	371.1	362.5	353.9	345.3	328.1
32.5°	386.9	395.4	395.4	395.4	395.4	395.4	386.9	378.3	368.2	359.6	349.6
35°	404.0	412.6	414.1	414.1	414.1	412.6	404.0	396.9	388.3	379.7	368.2
37.5°	428.4	434.1	435.6	437.0	435.6	434.1	428.4	421.2	415.5	408.3	395.4
40°	457.1	462.8	462.8	462.8	462.8	462.8	457.1	452.8	447.0	441.3	427.0
42.5°	492.9	498.6	500.0	501.5	500.0	498.6	492.9	487.1	481.4	475.7	461.4
45°	538.7	545.9	547.3	548.8	547.3	545.9	538.7	533.0	525.8	518.7	501.5
47.5°	593.2	598.9	598.9	598.9	598.9	598.9	593.2	587.4	581.7	576.0	555.9
50°	653.3	656.2	657.6	657.6	657.6	656.2	653.3	650.5	646.2	643.3	617.5
52.5°	717.8	719.3	719.3	717.8	719.3	719.3	717.8	716.4	713.5	712.1	682.0
55°	792.3	792.3	790.9	788.0	790.9	792.3	792.3	792.3	790.9	790.9	759.4
57.5°	872.6	871.1	871.1	869.7	871.1	871.1	872.6	874.0	875.4	876.9	845.3
60°	955.7	951.4	949.9	947.1	949.9	951.4	955.7	958.5	962.8	965.7	935.6
62.5°	1034.5	1028.7	1028.7	1028.7	1028.7	1028.7	1034.5	1040.2	1045.9	1051.7	1027.3
65°	1127.6	1121.9	1119.0	1116.1	1119.0	1121.9	1127.6	1133.3	1137.6	1143.4	1124.7
67.5°	1215.0	1207.8	1205.0	1200.7	1205.0	1207.8	1215.0	1222.2	1229.3	1236.5	1222.2
70°	1290.9	1283.8	1282.3	1280.9	1282.3	1283.8	1290.9	1299.5	1306.7	1313.9	1299.5
72.5°	1351.1	1345.4	1343.9	1341.1	1343.9	1345.4	1351.1	1355.4	1361.1	1365.4	1348.2
75°	1293.8	1286.6	1282.3	1276.6	1282.3	1286.6	1293.8	1301.0	1308.1	1315.3	1302.4
77.5°	1080.3	1071.7	1068.9	1064.6	1068.9	1071.7	1080.3	1088.9	1097.5	1106.1	1106.1
80°	591.7	563.1	555.9	547.3	555.9	563.1	591.7	620.4	649.0	677.7	707.8
82.5°	130.4	117.5	113.2	107.5	113.2	117.5	130.4	141.8	154.7	166.2	192.0
85°	44.4	40.1	37.3	34.4	37.3	40.1	44.4	50.1	54.4	58.7	63.0
87.5°	4.3	4.3	4.3	2.9	4.3	4.3	4.3	4.3	4.3	4.3	5.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P560463  
 CATALOG NUMBER: SDL-PA1-40-830-U-5WQ

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	352.5	352.5	352.5	352.5	352.5	352.5	352.5	352.5	352.5	352.5	352.5
2.5°	348.2	348.2	348.2	348.2	346.7	346.7	345.3	345.3	343.9	343.9	342.4
5°	332.4	328.1	325.2	319.5	312.3	306.6	299.5	298.0	296.6	295.2	293.7
7.5°	279.4	272.2	266.5	270.8	273.7	278.0	280.8	282.3	283.7	283.7	285.1
10°	223.5	220.6	219.2	222.1	223.5	226.4	227.8	232.1	236.4	239.3	243.6
12.5°	200.6	204.9	209.2	207.8	206.3	204.9	203.5	206.3	209.2	212.1	214.9
15°	192.0	186.3	180.5	180.5	180.5	179.1	179.1	180.5	183.4	184.8	186.3
17.5°	189.1	189.1	187.7	190.6	194.9	197.7	200.6	193.4	186.3	177.7	170.5
20°	190.6	183.4	176.2	180.5	184.8	187.7	192.0	197.7	202.0	207.8	212.1
22.5°	210.6	214.9	219.2	212.1	203.5	196.3	187.7	194.9	203.5	210.6	217.8
25°	220.6	209.2	196.3	203.5	210.6	217.8	224.9	219.2	213.5	207.8	202.0
27.5°	253.6	246.4	239.3	233.5	229.2	223.5	217.8	224.9	232.1	239.3	246.4
30°	309.5	292.3	273.7	266.5	260.8	253.6	246.4	243.6	240.7	236.4	233.5
32.5°	339.6	329.5	319.5	306.6	292.3	279.4	265.1	265.1	265.1	263.6	263.6
35°	358.2	346.7	335.3	325.2	313.8	303.7	292.3	289.4	286.6	283.7	280.8
37.5°	381.1	368.2	353.9	341.0	329.5	316.6	303.7	303.7	303.7	303.7	303.7
40°	412.6	398.3	384.0	368.2	352.5	336.7	320.9	322.4	325.2	326.7	328.1
42.5°	445.6	431.3	415.5	398.3	382.6	365.4	348.2	349.6	352.5	353.9	355.3
45°	484.3	467.1	449.9	432.7	415.5	398.3	381.1	384.0	385.4	388.3	389.7
47.5°	534.4	514.4	492.9	475.7	458.5	439.9	422.7	427.0	429.8	434.1	437.0
50°	590.3	564.5	537.3	520.1	502.9	485.7	468.5	474.2	480.0	485.7	491.4
52.5°	653.3	623.3	593.2	577.4	560.2	544.5	527.3	533.0	540.2	545.9	551.6
55°	726.4	694.9	661.9	646.2	630.4	613.2	597.5	606.1	614.7	623.3	631.9
57.5°	815.3	783.7	752.2	735.0	719.3	702.1	684.9	696.3	709.2	720.7	732.1
60°	905.5	874.0	843.9	829.6	813.8	799.5	783.7	798.1	813.8	828.1	842.5
62.5°	1002.9	977.2	952.8	935.6	919.8	902.7	885.5	906.9	928.4	949.9	971.4
65°	1106.1	1086.0	1067.4	1050.2	1033.0	1014.4	997.2	1023.0	1048.8	1074.6	1100.4
67.5°	1209.3	1194.9	1180.6	1160.6	1141.9	1121.9	1101.8	1129.0	1154.8	1182.0	1207.8
70°	1285.2	1270.9	1256.5	1239.4	1222.2	1205.0	1187.8	1212.1	1236.5	1260.8	1285.2
72.5°	1331.1	1313.9	1296.7	1276.6	1258.0	1237.9	1217.9	1248.0	1279.5	1309.6	1339.6
75°	1289.5	1275.2	1262.3	1248.0	1233.6	1219.3	1205.0	1246.5	1286.6	1328.2	1368.3
77.5°	1106.1	1104.7	1104.7	1107.5	1109.0	1111.8	1113.3	1172.0	1229.3	1288.1	1345.4
80°	737.9	768.0	798.1	823.8	849.6	875.4	901.2	968.6	1035.9	1101.8	1169.1
82.5°	216.3	242.1	266.5	325.2	384.0	441.3	500.0	574.5	650.5	725.0	799.5
85°	68.8	73.1	77.4	97.4	117.5	137.5	157.6	187.7	217.8	247.9	278.0
87.5°	7.2	7.2	8.6	10.0	11.5	11.5	12.9	12.9	11.5	11.5	10.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P560463  
 CATALOG NUMBER: SDL-PA1-40-830-U-5WQ

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	352.5	352.5	352.5	352.5	352.5	352.5	352.5	352.5	352.5	352.5	352.5
2.5°	341.0	339.6	338.1	336.7	335.3	333.8	331.0	329.5	325.2	320.9	316.6
5°	293.7	293.7	293.7	293.7	293.7	293.7	293.7	293.7	293.7	293.7	293.7
7.5°	285.1	286.6	286.6	286.6	285.1	283.7	282.3	280.8	279.4	279.4	278.0
10°	243.6	243.6	242.1	242.1	249.3	257.9	265.1	272.2	275.1	278.0	279.4
12.5°	224.9	235.0	243.6	253.6	259.3	266.5	272.2	278.0	276.5	275.1	273.7
15°	192.0	196.3	202.0	206.3	214.9	223.5	230.7	239.3	249.3	260.8	270.8
17.5°	184.8	199.2	213.5	227.8	235.0	243.6	250.7	257.9	260.8	265.1	267.9
20°	213.5	213.5	214.9	214.9	214.9	213.5	213.5	212.1	229.2	247.9	265.1
22.5°	214.9	212.1	209.2	206.3	219.2	230.7	243.6	255.0	253.6	252.2	250.7
25°	213.5	226.4	237.8	249.3	245.0	242.1	237.8	233.5	249.3	263.6	279.4
27.5°	242.1	239.3	235.0	230.7	239.3	249.3	257.9	266.5	263.6	260.8	256.5
30°	240.7	246.4	253.6	259.3	257.9	257.9	256.5	255.0	270.8	285.1	300.9
32.5°	263.6	265.1	265.1	265.1	275.1	283.7	293.7	302.3	309.5	318.1	325.2
35°	283.7	286.6	288.0	290.9	303.7	316.6	328.1	341.0	355.3	369.7	384.0
37.5°	305.2	308.0	309.5	310.9	325.2	338.1	352.5	365.4	381.1	396.9	411.2
40°	331.0	335.3	338.1	341.0	353.9	366.8	379.7	392.6	409.8	427.0	442.7
42.5°	361.1	365.4	371.1	375.4	389.7	402.6	416.9	429.8	447.0	462.8	480.0
45°	395.4	401.2	405.5	411.2	429.8	447.0	465.7	482.8	498.6	512.9	528.7
47.5°	441.3	444.2	448.5	451.3	471.4	491.4	510.1	530.1	545.9	561.6	576.0
50°	492.9	492.9	494.3	494.3	520.1	544.5	570.2	594.6	608.9	624.7	639.0
52.5°	554.5	557.4	558.8	561.6	587.4	611.8	637.6	661.9	676.3	692.0	706.4
55°	633.3	634.7	634.7	636.2	661.9	687.7	713.5	739.3	753.6	768.0	782.3
57.5°	732.1	730.7	730.7	729.3	755.1	780.9	805.2	831.0	845.3	859.7	874.0
60°	838.2	833.9	828.1	823.8	852.5	882.6	911.2	939.9	952.8	965.7	978.6
62.5°	962.8	955.7	947.1	938.5	968.6	997.2	1027.3	1056.0	1066.0	1074.6	1084.6
65°	1084.6	1068.9	1051.7	1035.9	1070.3	1104.7	1139.1	1173.4	1180.6	1187.8	1193.5
67.5°	1189.2	1170.6	1152.0	1133.3	1173.4	1213.6	1252.2	1292.4	1295.2	1298.1	1301.0
70°	1266.6	1248.0	1229.3	1210.7	1259.4	1308.1	1356.8	1405.6	1407.0	1408.4	1409.9
72.5°	1321.0	1302.4	1282.3	1263.7	1313.9	1362.6	1412.7	1461.4	1465.7	1468.6	1472.9
75°	1341.1	1313.9	1286.6	1259.4	1303.8	1346.8	1391.2	1434.2	1429.9	1425.6	1419.9
77.5°	1296.7	1248.0	1199.2	1150.5	1172.0	1193.5	1213.6	1235.1	1212.1	1187.8	1164.8
80°	1098.9	1030.2	960.0	889.8	875.4	861.1	845.3	831.0	788.0	745.0	700.6
82.5°	729.3	660.5	590.3	520.1	475.7	432.7	388.3	343.9	305.2	266.5	226.4
85°	242.1	206.3	170.5	134.7	120.4	107.5	93.1	78.8	73.1	67.3	61.6
87.5°	11.5	12.9	12.9	14.3	12.9	12.9	11.5	10.0	8.6	8.6	7.2
90°	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):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	352.5	352.5	352.5	352.5	352.5	352.5	352.5	352.5	352.5	352.5	352.5
2.5°	312.3	312.3	313.8	313.8	313.8	313.8	312.3	313.8	313.8	313.8	313.8
5°	293.7	293.7	295.2	295.2	295.2	295.2	295.2	295.2	295.2	295.2	295.2
7.5°	276.5	272.2	266.5	262.2	256.5	255.0	252.2	255.0	256.5	262.2	266.5
10°	282.3	282.3	283.7	283.7	283.7	283.7	283.7	283.7	283.7	283.7	283.7
12.5°	272.2	266.5	259.3	253.6	246.4	247.9	249.3	247.9	246.4	253.6	259.3
15°	280.8	282.3	283.7	285.1	286.6	286.6	286.6	286.6	286.6	285.1	283.7
17.5°	270.8	265.1	257.9	252.2	245.0	245.0	243.6	245.0	245.0	252.2	257.9
20°	282.3	285.1	288.0	289.4	292.3	292.3	292.3	292.3	292.3	289.4	288.0
22.5°	249.3	249.3	249.3	247.9	247.9	247.9	247.9	247.9	247.9	247.9	249.3
25°	293.7	296.6	299.5	300.9	303.7	303.7	302.3	303.7	303.7	300.9	299.5
27.5°	253.6	255.0	257.9	259.3	260.8	260.8	260.8	260.8	260.8	259.3	257.9
30°	315.2	316.6	318.1	318.1	319.5	319.5	319.5	319.5	319.5	318.1	318.1
32.5°	332.4	345.3	359.6	372.5	385.4	386.9	388.3	386.9	385.4	372.5	359.6
35°	398.3	401.2	405.5	408.3	411.2	412.6	412.6	412.6	411.2	408.3	405.5
37.5°	427.0	429.8	431.3	434.1	435.6	437.0	437.0	437.0	435.6	434.1	431.3
40°	459.9	462.8	464.2	467.1	468.5	468.5	467.1	468.5	468.5	467.1	464.2
42.5°	495.7	497.2	500.0	501.5	502.9	504.3	504.3	504.3	502.9	501.5	500.0
45°	543.0	544.5	545.9	545.9	547.3	548.8	548.8	548.8	547.3	545.9	545.9
47.5°	591.7	594.6	596.0	598.9	600.3	601.8	603.2	601.8	600.3	598.9	596.0
50°	653.3	654.8	657.6	659.1	660.5	660.5	660.5	660.5	660.5	659.1	657.6
52.5°	720.7	722.1	722.1	723.6	723.6	723.6	722.1	723.6	723.6	723.6	722.1
55°	796.6	796.6	796.6	795.2	795.2	795.2	795.2	795.2	795.2	795.2	796.6
57.5°	888.3	888.3	888.3	888.3	888.3	884.0	878.3	884.0	888.3	888.3	888.3
60°	991.5	988.6	984.3	981.5	977.2	975.7	974.3	975.7	977.2	981.5	984.3
62.5°	1093.2	1088.9	1083.2	1078.9	1073.2	1071.7	1068.9	1071.7	1073.2	1078.9	1083.2
65°	1200.7	1193.5	1186.3	1177.7	1170.6	1169.1	1166.3	1169.1	1170.6	1177.7	1186.3
67.5°	1303.8	1296.7	1289.5	1280.9	1273.7	1272.3	1269.4	1272.3	1273.7	1280.9	1289.5
70°	1411.3	1404.1	1397.0	1388.4	1381.2	1381.2	1379.8	1381.2	1381.2	1388.4	1397.0
72.5°	1475.8	1468.6	1462.9	1455.7	1448.5	1444.2	1439.9	1444.2	1448.5	1455.7	1462.9
75°	1415.6	1404.1	1392.7	1379.8	1368.3	1365.4	1362.6	1365.4	1368.3	1379.8	1392.7
77.5°	1140.5	1129.0	1116.1	1104.7	1091.8	1080.3	1067.4	1080.3	1091.8	1104.7	1116.1
80°	657.6	629.0	600.3	571.7	543.0	535.9	528.7	535.9	543.0	571.7	600.3
82.5°	187.7	173.4	157.6	143.3	127.5	127.5	127.5	127.5	127.5	143.3	157.6
85°	55.9	48.7	43.0	35.8	28.7	27.2	25.8	27.2	28.7	35.8	43.0
87.5°	5.7	5.7	5.7	4.3	4.3	4.3	4.3	4.3	4.3	4.3	5.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P560463  
 CATALOG NUMBER: SDL-PA1-40-830-U-5WQ

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	352.5	352.5	352.5	352.5	352.5	352.5	352.5	352.5	352.5	352.5	352.5
2.5°	312.3	312.3	316.6	320.9	325.2	329.5	331.0	333.8	335.3	336.7	338.1
5°	293.7	293.7	293.7	293.7	293.7	293.7	293.7	293.7	293.7	293.7	293.7
7.5°	272.2	276.5	278.0	279.4	279.4	280.8	282.3	283.7	285.1	286.6	286.6
10°	282.3	282.3	279.4	278.0	275.1	272.2	265.1	257.9	249.3	242.1	242.1
12.5°	266.5	272.2	273.7	275.1	276.5	278.0	272.2	266.5	259.3	253.6	243.6
15°	282.3	280.8	270.8	260.8	249.3	239.3	230.7	223.5	214.9	206.3	202.0
17.5°	265.1	270.8	267.9	265.1	260.8	257.9	250.7	243.6	235.0	227.8	213.5
20°	285.1	282.3	265.1	247.9	229.2	212.1	213.5	213.5	214.9	214.9	214.9
22.5°	249.3	249.3	250.7	252.2	253.6	255.0	243.6	230.7	219.2	206.3	209.2
25°	296.6	293.7	279.4	263.6	249.3	233.5	237.8	242.1	245.0	249.3	237.8
27.5°	255.0	253.6	256.5	260.8	263.6	266.5	257.9	249.3	239.3	230.7	235.0
30°	316.6	315.2	300.9	285.1	270.8	255.0	256.5	257.9	257.9	259.3	253.6
32.5°	345.3	332.4	325.2	318.1	309.5	302.3	293.7	283.7	275.1	265.1	265.1
35°	401.2	398.3	384.0	369.7	355.3	341.0	328.1	316.6	303.7	290.9	288.0
37.5°	429.8	427.0	411.2	396.9	381.1	365.4	352.5	338.1	325.2	310.9	309.5
40°	462.8	459.9	442.7	427.0	409.8	392.6	379.7	366.8	353.9	341.0	338.1
42.5°	497.2	495.7	480.0	462.8	447.0	429.8	416.9	402.6	389.7	375.4	371.1
45°	544.5	543.0	528.7	512.9	498.6	482.8	465.7	447.0	429.8	411.2	405.5
47.5°	594.6	591.7	576.0	561.6	545.9	530.1	510.1	491.4	471.4	451.3	448.5
50°	654.8	653.3	639.0	624.7	608.9	594.6	570.2	544.5	520.1	494.3	494.3
52.5°	722.1	720.7	706.4	692.0	676.3	661.9	637.6	611.8	587.4	561.6	558.8
55°	796.6	796.6	782.3	768.0	753.6	739.3	713.5	687.7	661.9	636.2	634.7
57.5°	888.3	888.3	874.0	859.7	845.3	831.0	805.2	780.9	755.1	729.3	730.7
60°	988.6	991.5	978.6	965.7	952.8	939.9	911.2	882.6	852.5	823.8	828.1
62.5°	1088.9	1093.2	1084.6	1074.6	1066.0	1056.0	1027.3	997.2	968.6	938.5	947.1
65°	1193.5	1200.7	1193.5	1187.8	1180.6	1173.4	1139.1	1104.7	1070.3	1035.9	1051.7
67.5°	1296.7	1303.8	1301.0	1298.1	1295.2	1292.4	1252.2	1213.6	1173.4	1133.3	1152.0
70°	1404.1	1411.3	1409.9	1408.4	1407.0	1405.6	1356.8	1308.1	1259.4	1210.7	1229.3
72.5°	1468.6	1475.8	1472.9	1468.6	1465.7	1461.4	1412.7	1362.6	1313.9	1263.7	1282.3
75°	1404.1	1415.6	1419.9	1425.6	1429.9	1434.2	1391.2	1346.8	1303.8	1259.4	1286.6
77.5°	1129.0	1140.5	1164.8	1187.8	1212.1	1235.1	1213.6	1193.5	1172.0	1150.5	1199.2
80°	629.0	657.6	700.6	745.0	788.0	831.0	845.3	861.1	875.4	889.8	960.0
82.5°	173.4	187.7	226.4	266.5	305.2	343.9	388.3	432.7	475.7	520.1	590.3
85°	48.7	55.9	61.6	67.3	73.1	78.8	93.1	107.5	120.4	134.7	170.5
87.5°	5.7	5.7	7.2	8.6	8.6	10.0	11.5	12.9	12.9	14.3	12.9
90°	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):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	352.5	352.5	352.5	352.5	352.5	352.5	352.5	352.5	352.5	352.5	352.5
2.5°	339.6	341.0	342.4	343.9	343.9	345.3	345.3	346.7	346.7	348.2	348.2
5°	293.7	293.7	293.7	295.2	296.6	298.0	299.5	306.6	312.3	319.5	325.2
7.5°	286.6	285.1	285.1	283.7	283.7	282.3	280.8	278.0	273.7	270.8	266.5
10°	243.6	243.6	243.6	239.3	236.4	232.1	227.8	226.4	223.5	222.1	219.2
12.5°	235.0	224.9	214.9	212.1	209.2	206.3	203.5	204.9	206.3	207.8	209.2
15°	196.3	192.0	186.3	184.8	183.4	180.5	179.1	179.1	180.5	180.5	180.5
17.5°	199.2	184.8	170.5	177.7	186.3	193.4	200.6	197.7	194.9	190.6	187.7
20°	213.5	213.5	212.1	207.8	202.0	197.7	192.0	187.7	184.8	180.5	176.2
22.5°	212.1	214.9	217.8	210.6	203.5	194.9	187.7	196.3	203.5	212.1	219.2
25°	226.4	213.5	202.0	207.8	213.5	219.2	224.9	217.8	210.6	203.5	196.3
27.5°	239.3	242.1	246.4	239.3	232.1	224.9	217.8	223.5	229.2	233.5	239.3
30°	246.4	240.7	233.5	236.4	240.7	243.6	246.4	253.6	260.8	266.5	273.7
32.5°	265.1	263.6	263.6	263.6	265.1	265.1	265.1	279.4	292.3	306.6	319.5
35°	286.6	283.7	280.8	283.7	286.6	289.4	292.3	303.7	313.8	325.2	335.3
37.5°	308.0	305.2	303.7	303.7	303.7	303.7	303.7	316.6	329.5	341.0	353.9
40°	335.3	331.0	328.1	326.7	325.2	322.4	320.9	336.7	352.5	368.2	384.0
42.5°	365.4	361.1	355.3	353.9	352.5	349.6	348.2	365.4	382.6	398.3	415.5
45°	401.2	395.4	389.7	388.3	385.4	384.0	381.1	398.3	415.5	432.7	449.9
47.5°	444.2	441.3	437.0	434.1	429.8	427.0	422.7	439.9	458.5	475.7	492.9
50°	492.9	492.9	491.4	485.7	480.0	474.2	468.5	485.7	502.9	520.1	537.3
52.5°	557.4	554.5	551.6	545.9	540.2	533.0	527.3	544.5	560.2	577.4	593.2
55°	634.7	633.3	631.9	623.3	614.7	606.1	597.5	613.2	630.4	646.2	661.9
57.5°	730.7	732.1	732.1	720.7	709.2	696.3	684.9	702.1	719.3	735.0	752.2
60°	833.9	838.2	842.5	828.1	813.8	798.1	783.7	799.5	813.8	829.6	843.9
62.5°	955.7	962.8	971.4	949.9	928.4	906.9	885.5	902.7	919.8	935.6	952.8
65°	1068.9	1084.6	1100.4	1074.6	1048.8	1023.0	997.2	1014.4	1033.0	1050.2	1067.4
67.5°	1170.6	1189.2	1207.8	1182.0	1154.8	1129.0	1101.8	1121.9	1141.9	1160.6	1180.6
70°	1248.0	1266.6	1285.2	1260.8	1236.5	1212.1	1187.8	1205.0	1222.2	1239.4	1256.5
72.5°	1302.4	1321.0	1339.6	1309.6	1279.5	1248.0	1217.9	1237.9	1258.0	1276.6	1296.7
75°	1313.9	1341.1	1368.3	1328.2	1286.6	1246.5	1205.0	1219.3	1233.6	1248.0	1262.3
77.5°	1248.0	1296.7	1345.4	1288.1	1229.3	1172.0	1113.3	1111.8	1109.0	1107.5	1104.7
80°	1030.2	1098.9	1169.1	1101.8	1035.9	968.6	901.2	875.4	849.6	823.8	798.1
82.5°	660.5	729.3	799.5	725.0	650.5	574.5	500.0	441.3	384.0	325.2	266.5
85°	206.3	242.1	278.0	247.9	217.8	187.7	157.6	137.5	117.5	97.4	77.4
87.5°	12.9	11.5	10.0	11.5	11.5	12.9	12.9	11.5	11.5	10.0	8.6
90°	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):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	352.5	352.5	352.5	352.5	352.5	352.5	352.5	352.5	352.5	352.5	352.5
2.5°	348.2	348.2	346.7	346.7	346.7	348.2	348.2	348.2	348.2	348.2	348.2
5°	328.1	332.4	335.3	338.1	339.6	339.6	341.0	341.0	341.0	341.0	341.0
7.5°	272.2	279.4	285.1	290.9	292.3	293.7	293.7	295.2	295.2	293.7	295.2
10°	220.6	223.5	224.9	226.4	233.5	242.1	249.3	256.5	256.5	256.5	256.5
12.5°	204.9	200.6	194.9	190.6	197.7	204.9	212.1	219.2	219.2	219.2	219.2
15°	186.3	192.0	197.7	203.5	213.5	224.9	235.0	245.0	245.0	245.0	245.0
17.5°	189.1	189.1	190.6	190.6	196.3	200.6	206.3	210.6	212.1	212.1	212.1
20°	183.4	190.6	197.7	204.9	216.3	227.8	237.8	249.3	250.7	252.2	250.7
22.5°	214.9	210.6	204.9	200.6	200.6	200.6	199.2	199.2	200.6	200.6	200.6
25°	209.2	220.6	233.5	245.0	253.6	260.8	269.4	276.5	276.5	275.1	276.5
27.5°	246.4	253.6	260.8	267.9	280.8	292.3	305.2	316.6	319.5	320.9	319.5
30°	292.3	309.5	328.1	345.3	353.9	362.5	371.1	379.7	379.7	379.7	379.7
32.5°	329.5	339.6	349.6	359.6	368.2	378.3	386.9	395.4	395.4	395.4	395.4
35°	346.7	358.2	368.2	379.7	388.3	396.9	404.0	412.6	414.1	414.1	414.1
37.5°	368.2	381.1	395.4	408.3	415.5	421.2	428.4	434.1	435.6	437.0	435.6
40°	398.3	412.6	427.0	441.3	447.0	452.8	457.1	462.8	462.8	462.8	462.8
42.5°	431.3	445.6	461.4	475.7	481.4	487.1	492.9	498.6	500.0	501.5	500.0
45°	467.1	484.3	501.5	518.7	525.8	533.0	538.7	545.9	547.3	548.8	547.3
47.5°	514.4	534.4	555.9	576.0	581.7	587.4	593.2	598.9	598.9	598.9	598.9
50°	564.5	590.3	617.5	643.3	646.2	650.5	653.3	656.2	657.6	657.6	657.6
52.5°	623.3	653.3	682.0	712.1	713.5	716.4	717.8	719.3	719.3	717.8	719.3
55°	694.9	726.4	759.4	790.9	790.9	792.3	792.3	792.3	790.9	788.0	790.9
57.5°	783.7	815.3	845.3	876.9	875.4	874.0	872.6	871.1	871.1	869.7	871.1
60°	874.0	905.5	935.6	965.7	962.8	958.5	955.7	951.4	949.9	947.1	949.9
62.5°	977.2	1002.9	1027.3	1051.7	1045.9	1040.2	1034.5	1028.7	1028.7	1028.7	1028.7
65°	1086.0	1106.1	1124.7	1143.4	1137.6	1133.3	1127.6	1121.9	1119.0	1116.1	1119.0
67.5°	1194.9	1209.3	1222.2	1236.5	1229.3	1222.2	1215.0	1207.8	1205.0	1200.7	1205.0
70°	1270.9	1285.2	1299.5	1313.9	1306.7	1299.5	1290.9	1283.8	1282.3	1280.9	1282.3
72.5°	1313.9	1331.1	1348.2	1365.4	1361.1	1355.4	1351.1	1345.4	1343.9	1341.1	1343.9
75°	1275.2	1289.5	1302.4	1315.3	1308.1	1301.0	1293.8	1286.6	1282.3	1276.6	1282.3
77.5°	1104.7	1106.1	1106.1	1106.1	1097.5	1088.9	1080.3	1071.7	1068.9	1064.6	1068.9
80°	768.0	737.9	707.8	677.7	649.0	620.4	591.7	563.1	555.9	547.3	555.9
82.5°	242.1	216.3	192.0	166.2	154.7	141.8	130.4	117.5	113.2	107.5	113.2
85°	73.1	68.8	63.0	58.7	54.4	50.1	44.4	40.1	37.3	34.4	37.3
87.5°	7.2	7.2	5.7	4.3	4.3	4.3	4.3	4.3	4.3	2.9	4.3
90°	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):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	352.5	352.5	352.5	352.5	352.5	352.5	352.5	352.5	352.5	352.5	352.5
2.5°	348.2	348.2	348.2	346.7	346.7	346.7	348.2	348.2	348.2	348.2	346.7
5°	341.0	341.0	339.6	339.6	338.1	335.3	332.4	328.1	325.2	319.5	312.3
7.5°	295.2	293.7	293.7	292.3	290.9	285.1	279.4	272.2	266.5	270.8	273.7
10°	256.5	249.3	242.1	233.5	226.4	224.9	223.5	220.6	219.2	222.1	223.5
12.5°	219.2	212.1	204.9	197.7	190.6	194.9	200.6	204.9	209.2	207.8	206.3
15°	245.0	235.0	224.9	213.5	203.5	197.7	192.0	186.3	180.5	180.5	180.5
17.5°	210.6	206.3	200.6	196.3	190.6	190.6	189.1	189.1	187.7	190.6	194.9
20°	249.3	237.8	227.8	216.3	204.9	197.7	190.6	183.4	176.2	180.5	184.8
22.5°	199.2	199.2	200.6	200.6	200.6	204.9	210.6	214.9	219.2	212.1	203.5
25°	276.5	269.4	260.8	253.6	245.0	233.5	220.6	209.2	196.3	203.5	210.6
27.5°	316.6	305.2	292.3	280.8	267.9	260.8	253.6	246.4	239.3	233.5	229.2
30°	379.7	371.1	362.5	353.9	345.3	328.1	309.5	292.3	273.7	266.5	260.8
32.5°	395.4	386.9	378.3	368.2	359.6	349.6	339.6	329.5	319.5	306.6	292.3
35°	412.6	404.0	396.9	388.3	379.7	368.2	358.2	346.7	335.3	325.2	313.8
37.5°	434.1	428.4	421.2	415.5	408.3	395.4	381.1	368.2	353.9	341.0	329.5
40°	462.8	457.1	452.8	447.0	441.3	427.0	412.6	398.3	384.0	368.2	352.5
42.5°	498.6	492.9	487.1	481.4	475.7	461.4	445.6	431.3	415.5	398.3	382.6
45°	545.9	538.7	533.0	525.8	518.7	501.5	484.3	467.1	449.9	432.7	415.5
47.5°	598.9	593.2	587.4	581.7	576.0	555.9	534.4	514.4	492.9	475.7	458.5
50°	656.2	653.3	650.5	646.2	643.3	617.5	590.3	564.5	537.3	520.1	502.9
52.5°	719.3	717.8	716.4	713.5	712.1	682.0	653.3	623.3	593.2	577.4	560.2
55°	792.3	792.3	792.3	790.9	790.9	759.4	726.4	694.9	661.9	646.2	630.4
57.5°	871.1	872.6	874.0	875.4	876.9	845.3	815.3	783.7	752.2	735.0	719.3
60°	951.4	955.7	958.5	962.8	965.7	935.6	905.5	874.0	843.9	829.6	813.8
62.5°	1028.7	1034.5	1040.2	1045.9	1051.7	1027.3	1002.9	977.2	952.8	935.6	919.8
65°	1121.9	1127.6	1133.3	1137.6	1143.4	1124.7	1106.1	1086.0	1067.4	1050.2	1033.0
67.5°	1207.8	1215.0	1222.2	1229.3	1236.5	1222.2	1209.3	1194.9	1180.6	1160.6	1141.9
70°	1283.8	1290.9	1299.5	1306.7	1313.9	1299.5	1285.2	1270.9	1256.5	1239.4	1222.2
72.5°	1345.4	1351.1	1355.4	1361.1	1365.4	1348.2	1331.1	1313.9	1296.7	1276.6	1258.0
75°	1286.6	1293.8	1301.0	1308.1	1315.3	1302.4	1289.5	1275.2	1262.3	1248.0	1233.6
77.5°	1071.7	1080.3	1088.9	1097.5	1106.1	1106.1	1106.1	1104.7	1104.7	1107.5	1109.0
80°	563.1	591.7	620.4	649.0	677.7	707.8	737.9	768.0	798.1	823.8	849.6
82.5°	117.5	130.4	141.8	154.7	166.2	192.0	216.3	242.1	266.5	325.2	384.0
85°	40.1	44.4	50.1	54.4	58.7	63.0	68.8	73.1	77.4	97.4	117.5
87.5°	4.3	4.3	4.3	4.3	4.3	5.7	7.2	7.2	8.6	10.0	11.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P560463  
 CATALOG NUMBER: SDL-PA1-40-830-U-5WQ

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	352.5	352.5	352.5	352.5	352.5	352.5	352.5	352.5	352.5	352.5	352.5
2.5°	346.7	345.3	345.3	343.9	343.9	342.4	341.0	339.6	338.1	336.7	335.3
5°	306.6	299.5	298.0	296.6	295.2	293.7	293.7	293.7	293.7	293.7	293.7
7.5°	278.0	280.8	282.3	283.7	283.7	285.1	285.1	286.6	286.6	286.6	285.1
10°	226.4	227.8	232.1	236.4	239.3	243.6	243.6	243.6	242.1	242.1	249.3
12.5°	204.9	203.5	206.3	209.2	212.1	214.9	224.9	235.0	243.6	253.6	259.3
15°	179.1	179.1	180.5	183.4	184.8	186.3	192.0	196.3	202.0	206.3	214.9
17.5°	197.7	200.6	193.4	186.3	177.7	170.5	184.8	199.2	213.5	227.8	235.0
20°	187.7	192.0	197.7	202.0	207.8	212.1	213.5	213.5	214.9	214.9	214.9
22.5°	196.3	187.7	194.9	203.5	210.6	217.8	214.9	212.1	209.2	206.3	219.2
25°	217.8	224.9	219.2	213.5	207.8	202.0	213.5	226.4	237.8	249.3	245.0
27.5°	223.5	217.8	224.9	232.1	239.3	246.4	242.1	239.3	235.0	230.7	239.3
30°	253.6	246.4	243.6	240.7	236.4	233.5	240.7	246.4	253.6	259.3	257.9
32.5°	279.4	265.1	265.1	265.1	263.6	263.6	263.6	265.1	265.1	265.1	275.1
35°	303.7	292.3	289.4	286.6	283.7	280.8	283.7	286.6	288.0	290.9	303.7
37.5°	316.6	303.7	303.7	303.7	303.7	303.7	305.2	308.0	309.5	310.9	325.2
40°	336.7	320.9	322.4	325.2	326.7	328.1	331.0	335.3	338.1	341.0	353.9
42.5°	365.4	348.2	349.6	352.5	353.9	355.3	361.1	365.4	371.1	375.4	389.7
45°	398.3	381.1	384.0	385.4	388.3	389.7	395.4	401.2	405.5	411.2	429.8
47.5°	439.9	422.7	427.0	429.8	434.1	437.0	441.3	444.2	448.5	451.3	471.4
50°	485.7	468.5	474.2	480.0	485.7	491.4	492.9	492.9	494.3	494.3	520.1
52.5°	544.5	527.3	533.0	540.2	545.9	551.6	554.5	557.4	558.8	561.6	587.4
55°	613.2	597.5	606.1	614.7	623.3	631.9	633.3	634.7	634.7	636.2	661.9
57.5°	702.1	684.9	696.3	709.2	720.7	732.1	732.1	730.7	730.7	729.3	755.1
60°	799.5	783.7	798.1	813.8	828.1	842.5	838.2	833.9	828.1	823.8	852.5
62.5°	902.7	885.5	906.9	928.4	949.9	971.4	962.8	955.7	947.1	938.5	968.6
65°	1014.4	997.2	1023.0	1048.8	1074.6	1100.4	1084.6	1068.9	1051.7	1035.9	1070.3
67.5°	1121.9	1101.8	1129.0	1154.8	1182.0	1207.8	1189.2	1170.6	1152.0	1133.3	1173.4
70°	1205.0	1187.8	1212.1	1236.5	1260.8	1285.2	1266.6	1248.0	1229.3	1210.7	1259.4
72.5°	1237.9	1217.9	1248.0	1279.5	1309.6	1339.6	1321.0	1302.4	1282.3	1263.7	1313.9
75°	1219.3	1205.0	1246.5	1286.6	1328.2	1368.3	1341.1	1313.9	1286.6	1259.4	1303.8
77.5°	1111.8	1113.3	1172.0	1229.3	1288.1	1345.4	1296.7	1248.0	1199.2	1150.5	1172.0
80°	875.4	901.2	968.6	1035.9	1101.8	1169.1	1098.9	1030.2	960.0	889.8	875.4
82.5°	441.3	500.0	574.5	650.5	725.0	799.5	729.3	660.5	590.3	520.1	475.7
85°	137.5	157.6	187.7	217.8	247.9	278.0	242.1	206.3	170.5	134.7	120.4
87.5°	11.5	12.9	12.9	11.5	11.5	10.0	11.5	12.9	12.9	14.3	12.9
90°	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°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	352.5	352.5	352.5	352.5	352.5	352.5	352.5	352.5	352.5	352.5	352.5
2.5°	333.8	331.0	329.5	325.2	320.9	316.6	312.3	312.3	313.8	313.8	313.8
5°	293.7	293.7	293.7	293.7	293.7	293.7	293.7	293.7	295.2	295.2	295.2
7.5°	283.7	282.3	280.8	279.4	279.4	278.0	276.5	272.2	266.5	262.2	256.5
10°	257.9	265.1	272.2	275.1	278.0	279.4	282.3	282.3	283.7	283.7	283.7
12.5°	266.5	272.2	278.0	276.5	275.1	273.7	272.2	266.5	259.3	253.6	246.4
15°	223.5	230.7	239.3	249.3	260.8	270.8	280.8	282.3	283.7	285.1	286.6
17.5°	243.6	250.7	257.9	260.8	265.1	267.9	270.8	265.1	257.9	252.2	245.0
20°	213.5	213.5	212.1	229.2	247.9	265.1	282.3	285.1	288.0	289.4	292.3
22.5°	230.7	243.6	255.0	253.6	252.2	250.7	249.3	249.3	249.3	247.9	247.9
25°	242.1	237.8	233.5	249.3	263.6	279.4	293.7	296.6	299.5	300.9	303.7
27.5°	249.3	257.9	266.5	263.6	260.8	256.5	253.6	255.0	257.9	259.3	260.8
30°	257.9	256.5	255.0	270.8	285.1	300.9	315.2	316.6	318.1	318.1	319.5
32.5°	283.7	293.7	302.3	309.5	318.1	325.2	332.4	345.3	359.6	372.5	385.4
35°	316.6	328.1	341.0	355.3	369.7	384.0	398.3	401.2	405.5	408.3	411.2
37.5°	338.1	352.5	365.4	381.1	396.9	411.2	427.0	429.8	431.3	434.1	435.6
40°	366.8	379.7	392.6	409.8	427.0	442.7	459.9	462.8	464.2	467.1	468.5
42.5°	402.6	416.9	429.8	447.0	462.8	480.0	495.7	497.2	500.0	501.5	502.9
45°	447.0	465.7	482.8	498.6	512.9	528.7	543.0	544.5	545.9	545.9	547.3
47.5°	491.4	510.1	530.1	545.9	561.6	576.0	591.7	594.6	596.0	598.9	600.3
50°	544.5	570.2	594.6	608.9	624.7	639.0	653.3	654.8	657.6	659.1	660.5
52.5°	611.8	637.6	661.9	676.3	692.0	706.4	720.7	722.1	722.1	723.6	723.6
55°	687.7	713.5	739.3	753.6	768.0	782.3	796.6	796.6	796.6	795.2	795.2
57.5°	780.9	805.2	831.0	845.3	859.7	874.0	888.3	888.3	888.3	888.3	888.3
60°	882.6	911.2	939.9	952.8	965.7	978.6	991.5	988.6	984.3	981.5	977.2
62.5°	997.2	1027.3	1056.0	1066.0	1074.6	1084.6	1093.2	1088.9	1083.2	1078.9	1073.2
65°	1104.7	1139.1	1173.4	1180.6	1187.8	1193.5	1200.7	1193.5	1186.3	1177.7	1170.6
67.5°	1213.6	1252.2	1292.4	1295.2	1298.1	1301.0	1303.8	1296.7	1289.5	1280.9	1273.7
70°	1308.1	1356.8	1405.6	1407.0	1408.4	1409.9	1411.3	1404.1	1397.0	1388.4	1381.2
72.5°	1362.6	1412.7	1461.4	1465.7	1468.6	1472.9	1475.8	1468.6	1462.9	1455.7	1448.5
75°	1346.8	1391.2	1434.2	1429.9	1425.6	1419.9	1415.6	1404.1	1392.7	1379.8	1368.3
77.5°	1193.5	1213.6	1235.1	1212.1	1187.8	1164.8	1140.5	1129.0	1116.1	1104.7	1091.8
80°	861.1	845.3	831.0	788.0	745.0	700.6	657.6	629.0	600.3	571.7	543.0
82.5°	432.7	388.3	343.9	305.2	266.5	226.4	187.7	173.4	157.6	143.3	127.5
85°	107.5	93.1	78.8	73.1	67.3	61.6	55.9	48.7	43.0	35.8	28.7
87.5°	12.9	11.5	10.0	8.6	8.6	7.2	5.7	5.7	5.7	4.3	4.3
90°	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):**

	357.5°	360°
0°	352.5	352.5
2.5°	313.8	312.3
5°	295.2	295.2
7.5°	255.0	252.2
10°	283.7	283.7
12.5°	247.9	249.3
15°	286.6	286.6
17.5°	245.0	243.6
20°	292.3	292.3
22.5°	247.9	247.9
25°	303.7	302.3
27.5°	260.8	260.8
30°	319.5	319.5
32.5°	386.9	388.3
35°	412.6	412.6
37.5°	437.0	437.0
40°	468.5	467.1
42.5°	504.3	504.3
45°	548.8	548.8
47.5°	601.8	603.2
50°	660.5	660.5
52.5°	723.6	722.1
55°	795.2	795.2
57.5°	884.0	878.3
60°	975.7	974.3
62.5°	1071.7	1068.9
65°	1169.1	1166.3
67.5°	1272.3	1269.4
70°	1381.2	1379.8
72.5°	1444.2	1439.9
75°	1365.4	1362.6
77.5°	1080.3	1067.4
80°	535.9	528.7
82.5°	127.5	127.5
85°	27.2	25.8
87.5°	4.3	4.3
90°	0.0	0.0

(END OF REPORT)