

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: P560133

Luminaire Tested: **SDL-PA1-30-722-U-5WQ**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560133
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-PA1-30-722-U-5WQ
Description: Springdale
(1) 70 CRI, 2200K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2887.5 lumens
Efficiency: N/A
Efficacy: 95.9 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: B2 - U0 - G1

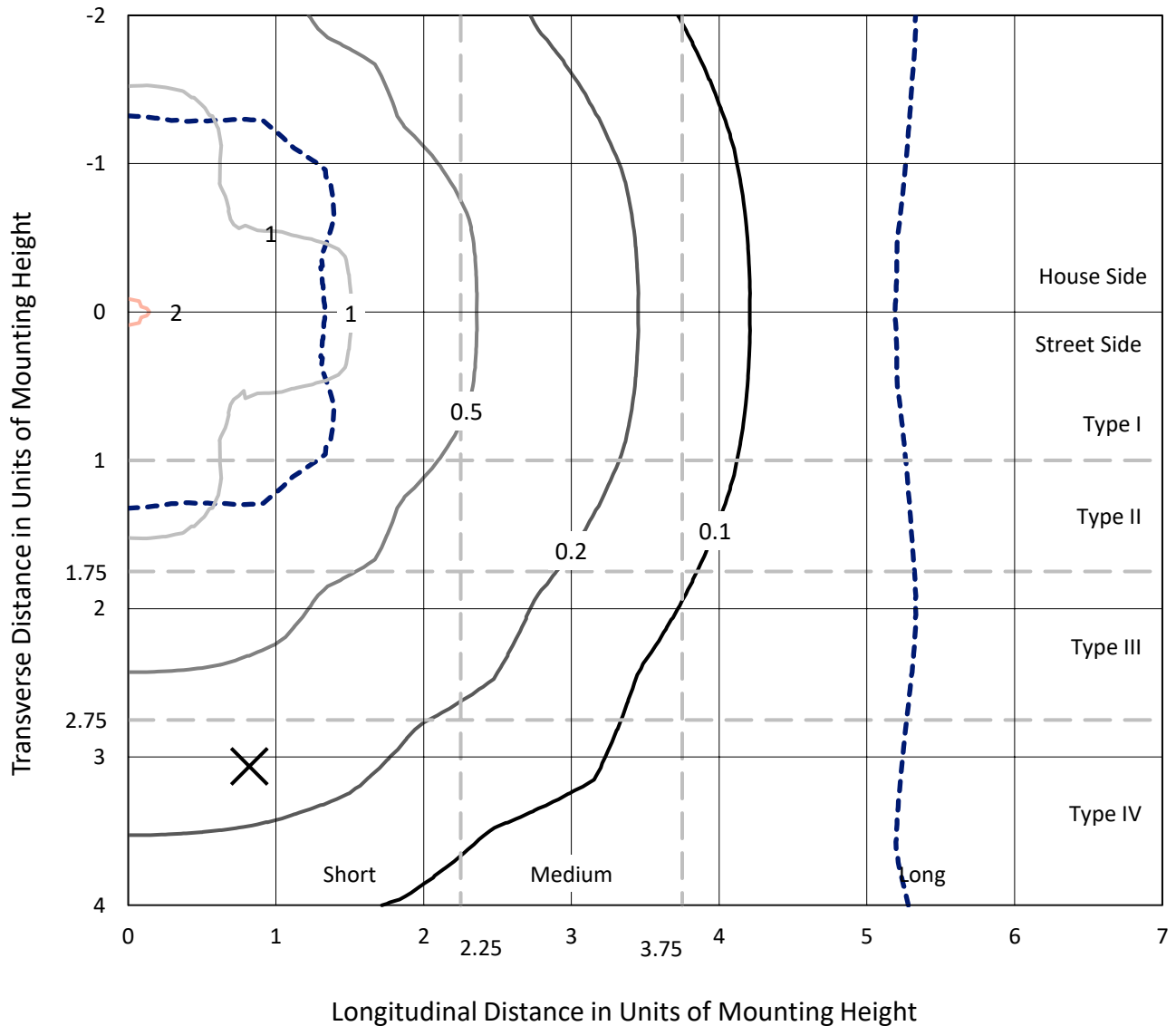
Input Watts (W): 30.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

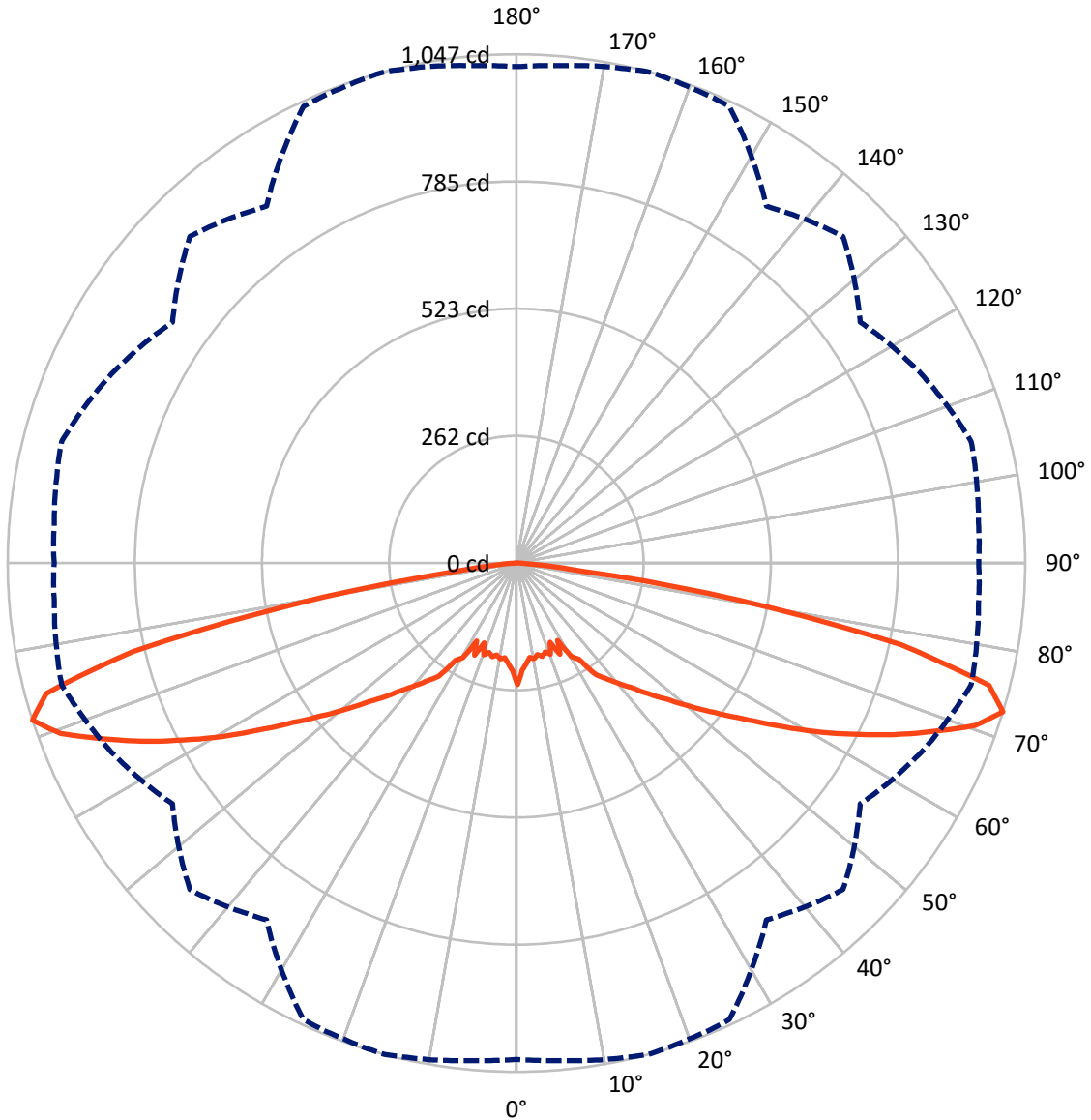
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.5 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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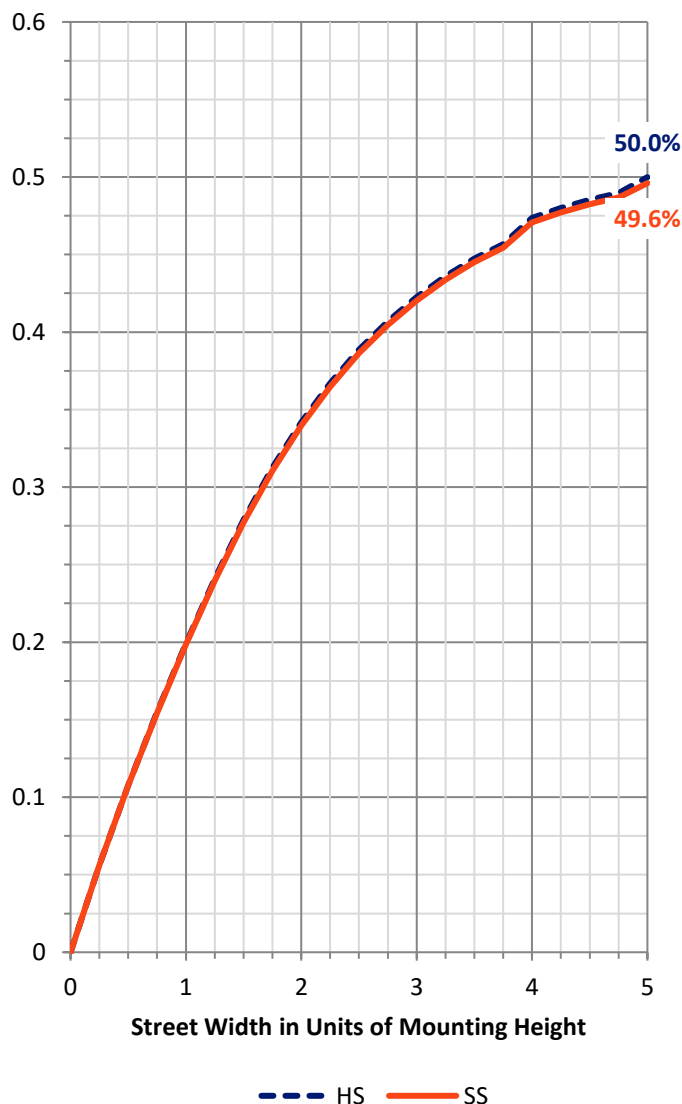
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1443.8	0.0	1443.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1443.8	0.0	1443.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	2887.5	0.0	2887.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.6	0.7
10°-20°	45.6	1.6
20°-30°	81.3	2.8
30°-40°	155.6	5.4
40°-50°	265.0	9.2
50°-60°	463.8	16.1
60°-70°	782.7	27.1
70°-80°	912.9	31.6
80°-90°	161.0	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°	2887.5	100.0
0°-180°	2887.5	100.0

Coefficient of Utilization



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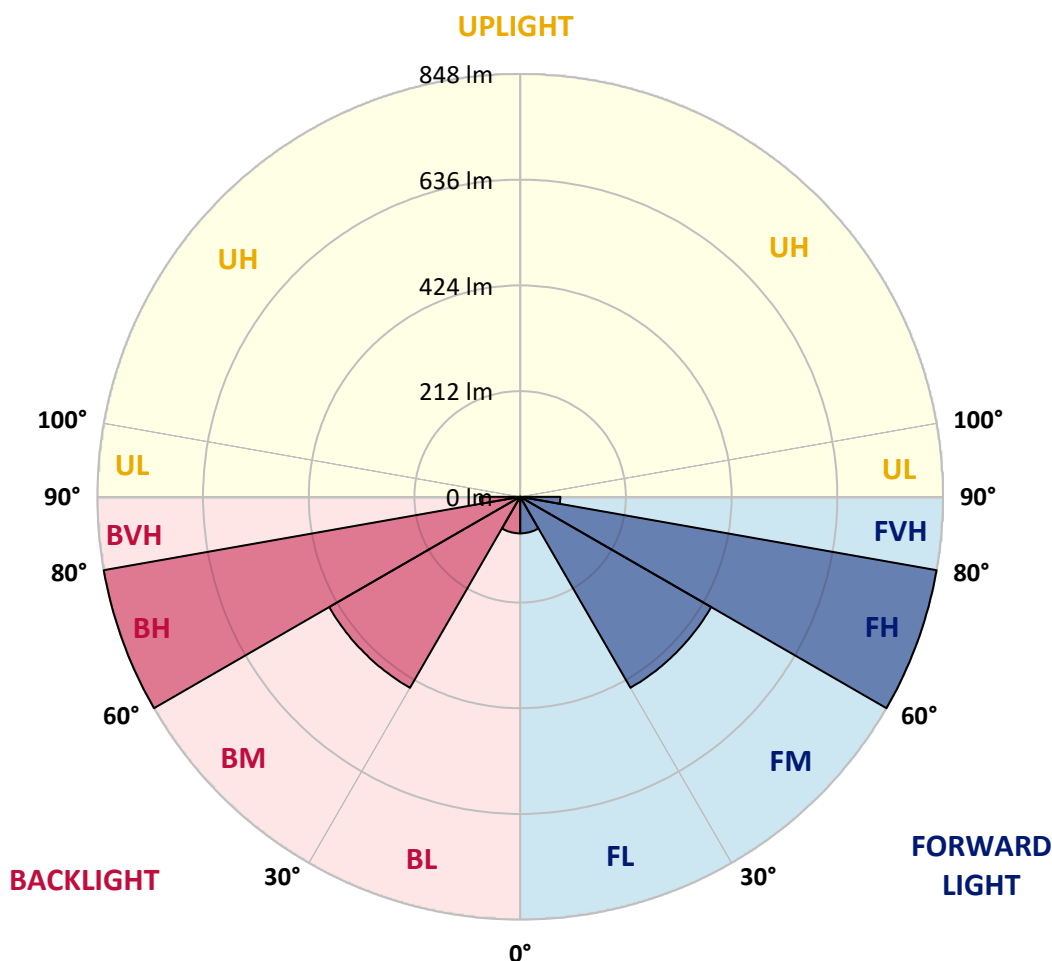
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	73.3	2.5			
FM (30°-60°)	442.2	15.3			
FH (60°-80°)	847.8	29.4			G1/1800
FVH (80°-90°)	80.5	2.8			G1/100
BL (0°-30°)	73.3	2.5	B0/110		
BM (30°-60°)	442.2	15.3	B1/1000		
BH (60°-80°)	847.8	29.4	B2/1000		G1/1800
BVH (80°-90°)	80.5	2.8			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

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°	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0
2.5°	221.5	222.6	222.6	222.6	222.6	221.5	221.5	224.6	227.6	230.7	233.7
5°	209.4	209.4	209.4	209.4	209.4	208.3	208.3	208.3	208.3	208.3	208.3
7.5°	178.9	180.9	181.9	186.0	189.0	193.1	196.1	197.2	198.2	198.2	199.2
10°	201.2	201.2	201.2	201.2	201.2	200.2	200.2	198.2	197.2	195.1	193.1
12.5°	176.8	175.8	174.8	179.9	183.9	189.0	193.1	194.1	195.1	196.1	197.2
15°	203.3	203.3	203.3	202.2	201.2	200.2	199.2	192.1	185.0	176.8	169.7
17.5°	172.8	173.8	173.8	178.9	182.9	188.0	192.1	190.0	188.0	185.0	182.9
20°	207.3	207.3	207.3	205.3	204.3	202.2	200.2	188.0	175.8	162.6	150.4
22.5°	175.8	175.8	175.8	175.8	176.8	176.8	176.8	177.8	178.9	179.9	180.9
25°	214.4	215.5	215.5	213.4	212.4	210.4	208.3	198.2	187.0	176.8	165.7
27.5°	185.0	185.0	185.0	183.9	182.9	180.9	179.9	181.9	185.0	187.0	189.0
30°	226.6	226.6	226.6	225.6	225.6	224.6	223.6	213.4	202.2	192.1	180.9
32.5°	275.4	274.4	273.4	264.2	255.1	244.9	235.8	230.7	225.6	219.5	214.4
35°	292.7	292.7	291.7	289.6	287.6	284.6	282.5	272.4	262.2	252.0	241.9
37.5°	310.0	310.0	308.9	307.9	305.9	304.9	302.9	291.7	281.5	270.3	259.2
40°	331.3	332.3	332.3	331.3	329.3	328.3	326.2	314.0	302.9	290.7	278.5
42.5°	357.7	357.7	356.7	355.7	354.7	352.6	351.6	340.5	328.3	317.1	304.9
45°	389.2	389.2	388.2	387.2	387.2	386.2	385.2	375.0	363.8	353.7	342.5
47.5°	427.9	426.8	425.8	424.8	422.8	421.8	419.7	408.5	398.4	387.2	376.0
50°	468.5	468.5	468.5	467.5	466.5	464.4	463.4	453.3	443.1	431.9	421.8
52.5°	512.2	513.2	513.2	513.2	512.2	512.2	511.2	501.0	490.9	479.7	469.5
55°	564.0	564.0	564.0	564.0	565.0	565.0	565.0	554.9	544.7	534.6	524.4
57.5°	623.0	627.0	630.1	630.1	630.1	630.1	630.1	619.9	609.8	599.6	589.4
60°	691.1	692.1	693.1	696.1	698.2	701.2	703.3	694.1	685.0	675.8	666.7
62.5°	758.1	760.2	761.2	765.3	768.3	772.4	775.4	769.3	762.2	756.1	749.0
65°	827.2	829.3	830.3	835.4	841.5	846.6	851.6	846.6	842.5	837.4	832.3
67.5°	900.4	902.5	903.5	908.6	914.6	919.7	924.8	922.8	920.7	918.7	916.7
70°	978.7	979.7	979.7	984.8	990.9	996.0	1001.0	1000.0	999.0	998.0	997.0
72.5°	1021.4	1024.4	1027.5	1032.5	1037.6	1041.7	1046.8	1044.7	1041.7	1039.7	1036.6
75°	966.5	968.5	970.5	978.7	987.8	996.0	1004.1	1007.1	1011.2	1014.2	1017.3
77.5°	757.1	766.3	774.4	783.5	791.7	800.8	809.0	826.2	842.5	859.8	876.0
80°	375.0	380.1	385.2	405.5	425.8	446.1	466.5	497.0	528.5	559.0	589.4
82.5°	90.4	90.4	90.4	101.6	111.8	123.0	133.1	160.6	189.0	216.5	243.9
85°	18.3	19.3	20.3	25.4	30.5	34.6	39.6	43.7	47.8	51.8	55.9
87.5°	3.0	3.0	3.0	3.0	4.1	4.1	4.1	5.1	6.1	6.1	7.1
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°	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0
2.5°	234.8	236.8	237.8	238.8	239.8	240.9	241.9	242.9	243.9	243.9	244.9
5°	208.3	208.3	208.3	208.3	208.3	208.3	208.3	208.3	209.4	210.4	211.4
7.5°	200.2	201.2	202.2	203.3	203.3	203.3	202.2	202.2	201.2	201.2	200.2
10°	188.0	182.9	176.8	171.8	171.8	172.8	172.8	172.8	169.7	167.7	164.6
12.5°	193.1	189.0	183.9	179.9	172.8	166.7	159.6	152.4	150.4	148.4	146.3
15°	163.6	158.5	152.4	146.3	143.3	139.2	136.2	132.1	131.1	130.1	128.1
17.5°	177.8	172.8	166.7	161.6	151.4	141.3	131.1	120.9	126.0	132.1	137.2
20°	151.4	151.4	152.4	152.4	152.4	151.4	151.4	150.4	147.4	143.3	140.2
22.5°	172.8	163.6	155.5	146.3	148.4	150.4	152.4	154.5	149.4	144.3	138.2
25°	168.7	171.8	173.8	176.8	168.7	160.6	151.4	143.3	147.4	151.4	155.5
27.5°	182.9	176.8	169.7	163.6	166.7	169.7	171.8	174.8	169.7	164.6	159.6
30°	181.9	182.9	182.9	183.9	179.9	174.8	170.7	165.7	167.7	170.7	172.8
32.5°	208.3	201.2	195.1	188.0	188.0	188.0	187.0	187.0	187.0	188.0	188.0
35°	232.7	224.6	215.5	206.3	204.3	203.3	201.2	199.2	201.2	203.3	205.3
37.5°	250.0	239.8	230.7	220.5	219.5	218.5	216.5	215.5	215.5	215.5	215.5
40°	269.3	260.2	251.0	241.9	239.8	237.8	234.8	232.7	231.7	230.7	228.7
42.5°	295.7	285.6	276.4	266.3	263.2	259.2	256.1	252.0	251.0	250.0	248.0
45°	330.3	317.1	304.9	291.7	287.6	284.6	280.5	276.4	275.4	273.4	272.4
47.5°	361.8	348.6	334.4	320.1	318.1	315.0	313.0	310.0	307.9	304.9	302.9
50°	404.5	386.2	368.9	350.6	350.6	349.6	349.6	348.6	344.5	340.5	336.4
52.5°	452.2	434.0	416.7	398.4	396.3	395.3	393.3	391.3	387.2	383.1	378.1
55°	506.1	487.8	469.5	451.2	450.2	450.2	449.2	448.2	442.1	436.0	429.9
57.5°	571.1	553.9	535.6	517.3	518.3	518.3	519.3	519.3	511.2	503.1	493.9
60°	646.4	626.0	604.7	584.4	587.4	591.5	594.5	597.6	587.4	577.2	566.1
62.5°	728.7	707.3	687.0	665.7	671.8	677.9	682.9	689.0	673.8	658.5	643.3
65°	807.9	783.5	759.2	734.8	745.9	758.1	769.3	780.5	762.2	743.9	725.6
67.5°	888.2	860.8	832.3	803.9	817.1	830.3	843.5	856.7	838.4	819.1	800.8
70°	962.4	927.9	893.3	858.8	872.0	885.2	898.4	911.6	894.3	877.0	859.8
72.5°	1002.0	966.5	931.9	896.4	909.6	923.8	937.0	950.2	928.9	907.5	885.2
75°	986.8	955.3	924.8	893.3	912.6	931.9	951.2	970.5	942.1	912.6	884.2
77.5°	860.8	846.6	831.3	816.1	850.6	885.2	919.7	954.3	913.6	872.0	831.3
80°	599.6	610.8	620.9	631.1	680.9	730.7	779.5	829.3	781.5	734.8	687.0
82.5°	275.4	306.9	337.4	368.9	418.7	468.5	517.3	567.1	514.2	461.4	407.5
85°	66.1	76.2	85.4	95.5	120.9	146.3	171.8	197.2	175.8	154.5	133.1
87.5°	8.1	9.1	9.1	10.2	9.1	9.1	8.1	7.1	8.1	8.1	9.1
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°	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0
2.5°	244.9	245.9	245.9	247.0	247.0	247.0	247.0	245.9	245.9	245.9	247.0
5°	212.4	217.5	221.5	226.6	230.7	232.7	235.8	237.8	239.8	240.9	240.9
7.5°	199.2	197.2	194.1	192.1	189.0	193.1	198.2	202.2	206.3	207.3	208.3
10°	161.6	160.6	158.5	157.5	155.5	156.5	158.5	159.6	160.6	165.7	171.8
12.5°	144.3	145.3	146.3	147.4	148.4	145.3	142.3	138.2	135.2	140.2	145.3
15°	127.0	127.0	128.1	128.1	128.1	132.1	136.2	140.2	144.3	151.4	159.6
17.5°	142.3	140.2	138.2	135.2	133.1	134.1	134.1	135.2	135.2	139.2	142.3
20°	136.2	133.1	131.1	128.1	125.0	130.1	135.2	140.2	145.3	153.5	161.6
22.5°	133.1	139.2	144.3	150.4	155.5	152.4	149.4	145.3	142.3	142.3	142.3
25°	159.6	154.5	149.4	144.3	139.2	148.4	156.5	165.7	173.8	179.9	185.0
27.5°	154.5	158.5	162.6	165.7	169.7	174.8	179.9	185.0	190.0	199.2	207.3
30°	174.8	179.9	185.0	189.0	194.1	207.3	219.5	232.7	244.9	251.0	257.1
32.5°	188.0	198.2	207.3	217.5	226.6	233.7	240.9	248.0	255.1	261.2	268.3
35°	207.3	215.5	222.6	230.7	237.8	245.9	254.1	261.2	269.3	275.4	281.5
37.5°	215.5	224.6	233.7	241.9	251.0	261.2	270.3	280.5	289.6	294.7	298.8
40°	227.6	238.8	250.0	261.2	272.4	282.5	292.7	302.9	313.0	317.1	321.1
42.5°	247.0	259.2	271.3	282.5	294.7	305.9	316.1	327.2	337.4	341.5	345.5
45°	270.3	282.5	294.7	306.9	319.1	331.3	343.5	355.7	367.9	373.0	378.1
47.5°	299.8	312.0	325.2	337.4	349.6	364.8	379.1	394.3	408.5	412.6	416.7
50°	332.3	344.5	356.7	368.9	381.1	400.4	418.7	438.0	456.3	458.3	461.4
52.5°	374.0	386.2	397.4	409.6	420.7	442.1	463.4	483.7	505.1	506.1	508.1
55°	423.8	435.0	447.2	458.3	469.5	492.9	515.3	538.6	561.0	561.0	562.0
57.5°	485.8	498.0	510.2	521.3	533.5	555.9	578.3	599.6	622.0	620.9	619.9
60°	555.9	567.1	577.2	588.4	598.6	619.9	642.3	663.6	685.0	682.9	679.9
62.5°	628.1	640.3	652.4	663.6	675.8	693.1	711.4	728.7	745.9	741.9	737.8
65°	707.3	719.5	732.7	744.9	757.1	770.3	784.6	797.8	811.0	806.9	803.9
67.5°	781.5	795.7	810.0	823.2	837.4	847.6	857.7	866.9	877.0	872.0	866.9
70°	842.5	854.7	866.9	879.1	891.3	901.4	911.6	921.8	931.9	926.8	921.8
72.5°	863.8	878.1	892.3	905.5	919.7	931.9	944.1	956.3	968.5	965.5	961.4
75°	854.7	864.9	875.0	885.2	895.3	904.5	914.6	923.8	932.9	927.9	922.8
77.5°	789.6	788.6	786.6	785.6	783.5	783.5	784.6	784.6	784.6	778.5	772.4
80°	639.2	620.9	602.7	584.4	566.1	544.7	523.4	502.0	480.7	460.4	440.0
82.5°	354.7	313.0	272.4	230.7	189.0	171.8	153.5	136.2	117.9	109.8	100.6
85°	111.8	97.6	83.3	69.1	54.9	51.8	48.8	44.7	41.7	38.6	35.6
87.5°	9.1	8.1	8.1	7.1	6.1	5.1	5.1	4.1	3.0	3.0	3.0
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):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0
2.5°	247.0	247.0	247.0	247.0	247.0	247.0	247.0	247.0	245.9	245.9	245.9
5°	241.9	241.9	241.9	241.9	241.9	241.9	241.9	240.9	240.9	239.8	237.8
7.5°	208.3	209.4	209.4	208.3	209.4	209.4	208.3	208.3	207.3	206.3	202.2
10°	176.8	181.9	181.9	181.9	181.9	181.9	176.8	171.8	165.7	160.6	159.6
12.5°	150.4	155.5	155.5	155.5	155.5	155.5	150.4	145.3	140.2	135.2	138.2
15°	166.7	173.8	173.8	173.8	173.8	173.8	166.7	159.6	151.4	144.3	140.2
17.5°	146.3	149.4	150.4	150.4	150.4	149.4	146.3	142.3	139.2	135.2	135.2
20°	168.7	176.8	177.8	178.9	177.8	176.8	168.7	161.6	153.5	145.3	140.2
22.5°	141.3	141.3	142.3	142.3	142.3	141.3	141.3	142.3	142.3	142.3	145.3
25°	191.1	196.1	196.1	195.1	196.1	196.1	191.1	185.0	179.9	173.8	165.7
27.5°	216.5	224.6	226.6	227.6	226.6	224.6	216.5	207.3	199.2	190.0	185.0
30°	263.2	269.3	269.3	269.3	269.3	269.3	263.2	257.1	251.0	244.9	232.7
32.5°	274.4	280.5	280.5	280.5	280.5	280.5	274.4	268.3	261.2	255.1	248.0
35°	286.6	292.7	293.7	293.7	293.7	292.7	286.6	281.5	275.4	269.3	261.2
37.5°	303.9	307.9	308.9	310.0	308.9	307.9	303.9	298.8	294.7	289.6	280.5
40°	324.2	328.3	328.3	328.3	328.3	328.3	324.2	321.1	317.1	313.0	302.9
42.5°	349.6	353.7	354.7	355.7	354.7	353.7	349.6	345.5	341.5	337.4	327.2
45°	382.1	387.2	388.2	389.2	388.2	387.2	382.1	378.1	373.0	367.9	355.7
47.5°	420.7	424.8	424.8	424.8	424.8	424.8	420.7	416.7	412.6	408.5	394.3
50°	463.4	465.5	466.5	466.5	466.5	465.5	463.4	461.4	458.3	456.3	438.0
52.5°	509.2	510.2	510.2	509.2	510.2	510.2	509.2	508.1	506.1	505.1	483.7
55°	562.0	562.0	561.0	559.0	561.0	562.0	562.0	562.0	561.0	561.0	538.6
57.5°	618.9	617.9	617.9	616.9	617.9	617.9	618.9	619.9	620.9	622.0	599.6
60°	677.9	674.8	673.8	671.8	673.8	674.8	677.9	679.9	682.9	685.0	663.6
62.5°	733.8	729.7	729.7	729.7	729.7	729.7	733.8	737.8	741.9	745.9	728.7
65°	799.8	795.7	793.7	791.7	793.7	795.7	799.8	803.9	806.9	811.0	797.8
67.5°	861.8	856.7	854.7	851.6	854.7	856.7	861.8	866.9	872.0	877.0	866.9
70°	915.7	910.6	909.6	908.6	909.6	910.6	915.7	921.8	926.8	931.9	921.8
72.5°	958.3	954.3	953.3	951.2	953.3	954.3	958.3	961.4	965.5	968.5	956.3
75°	917.7	912.6	909.6	905.5	909.6	912.6	917.7	922.8	927.9	932.9	923.8
77.5°	766.3	760.2	758.1	755.1	758.1	760.2	766.3	772.4	778.5	784.6	784.6
80°	419.7	399.4	394.3	388.2	394.3	399.4	419.7	440.0	460.4	480.7	502.0
82.5°	92.5	83.3	80.3	76.2	80.3	83.3	92.5	100.6	109.8	117.9	136.2
85°	31.5	28.5	26.4	24.4	26.4	28.5	31.5	35.6	38.6	41.7	44.7
87.5°	3.0	3.0	3.0	2.0	3.0	3.0	3.0	3.0	3.0	3.0	4.1
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):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0
2.5°	247.0	247.0	247.0	247.0	245.9	245.9	244.9	244.9	243.9	243.9	242.9
5°	235.8	232.7	230.7	226.6	221.5	217.5	212.4	211.4	210.4	209.4	208.3
7.5°	198.2	193.1	189.0	192.1	194.1	197.2	199.2	200.2	201.2	201.2	202.2
10°	158.5	156.5	155.5	157.5	158.5	160.6	161.6	164.6	167.7	169.7	172.8
12.5°	142.3	145.3	148.4	147.4	146.3	145.3	144.3	146.3	148.4	150.4	152.4
15°	136.2	132.1	128.1	128.1	128.1	127.0	127.0	128.1	130.1	131.1	132.1
17.5°	134.1	134.1	133.1	135.2	138.2	140.2	142.3	137.2	132.1	126.0	120.9
20°	135.2	130.1	125.0	128.1	131.1	133.1	136.2	140.2	143.3	147.4	150.4
22.5°	149.4	152.4	155.5	150.4	144.3	139.2	133.1	138.2	144.3	149.4	154.5
25°	156.5	148.4	139.2	144.3	149.4	154.5	159.6	155.5	151.4	147.4	143.3
27.5°	179.9	174.8	169.7	165.7	162.6	158.5	154.5	159.6	164.6	169.7	174.8
30°	219.5	207.3	194.1	189.0	185.0	179.9	174.8	172.8	170.7	167.7	165.7
32.5°	240.9	233.7	226.6	217.5	207.3	198.2	188.0	188.0	188.0	187.0	187.0
35°	254.1	245.9	237.8	230.7	222.6	215.5	207.3	205.3	203.3	201.2	199.2
37.5°	270.3	261.2	251.0	241.9	233.7	224.6	215.5	215.5	215.5	215.5	215.5
40°	292.7	282.5	272.4	261.2	250.0	238.8	227.6	228.7	230.7	231.7	232.7
42.5°	316.1	305.9	294.7	282.5	271.3	259.2	247.0	248.0	250.0	251.0	252.0
45°	343.5	331.3	319.1	306.9	294.7	282.5	270.3	272.4	273.4	275.4	276.4
47.5°	379.1	364.8	349.6	337.4	325.2	312.0	299.8	302.9	304.9	307.9	310.0
50°	418.7	400.4	381.1	368.9	356.7	344.5	332.3	336.4	340.5	344.5	348.6
52.5°	463.4	442.1	420.7	409.6	397.4	386.2	374.0	378.1	383.1	387.2	391.3
55°	515.3	492.9	469.5	458.3	447.2	435.0	423.8	429.9	436.0	442.1	448.2
57.5°	578.3	555.9	533.5	521.3	510.2	498.0	485.8	493.9	503.1	511.2	519.3
60°	642.3	619.9	598.6	588.4	577.2	567.1	555.9	566.1	577.2	587.4	597.6
62.5°	711.4	693.1	675.8	663.6	652.4	640.3	628.1	643.3	658.5	673.8	689.0
65°	784.6	770.3	757.1	744.9	732.7	719.5	707.3	725.6	743.9	762.2	780.5
67.5°	857.7	847.6	837.4	823.2	810.0	795.7	781.5	800.8	819.1	838.4	856.7
70°	911.6	901.4	891.3	879.1	866.9	854.7	842.5	859.8	877.0	894.3	911.6
72.5°	944.1	931.9	919.7	905.5	892.3	878.1	863.8	885.2	907.5	928.9	950.2
75°	914.6	904.5	895.3	885.2	875.0	864.9	854.7	884.2	912.6	942.1	970.5
77.5°	784.6	783.5	783.5	785.6	786.6	788.6	789.6	831.3	872.0	913.6	954.3
80°	523.4	544.7	566.1	584.4	602.7	620.9	639.2	687.0	734.8	781.5	829.3
82.5°	153.5	171.8	189.0	230.7	272.4	313.0	354.7	407.5	461.4	514.2	567.1
85°	48.8	51.8	54.9	69.1	83.3	97.6	111.8	133.1	154.5	175.8	197.2
87.5°	5.1	5.1	6.1	7.1	8.1	8.1	9.1	9.1	8.1	8.1	7.1
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):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0
2.5°	241.9	240.9	239.8	238.8	237.8	236.8	234.8	233.7	230.7	227.6	224.6
5°	208.3	208.3	208.3	208.3	208.3	208.3	208.3	208.3	208.3	208.3	208.3
7.5°	202.2	203.3	203.3	203.3	202.2	201.2	200.2	199.2	198.2	198.2	197.2
10°	172.8	172.8	171.8	171.8	176.8	182.9	188.0	193.1	195.1	197.2	198.2
12.5°	159.6	166.7	172.8	179.9	183.9	189.0	193.1	197.2	196.1	195.1	194.1
15°	136.2	139.2	143.3	146.3	152.4	158.5	163.6	169.7	176.8	185.0	192.1
17.5°	131.1	141.3	151.4	161.6	166.7	172.8	177.8	182.9	185.0	188.0	190.0
20°	151.4	151.4	152.4	152.4	152.4	151.4	151.4	150.4	162.6	175.8	188.0
22.5°	152.4	150.4	148.4	146.3	155.5	163.6	172.8	180.9	179.9	178.9	177.8
25°	151.4	160.6	168.7	176.8	173.8	171.8	168.7	165.7	176.8	187.0	198.2
27.5°	171.8	169.7	166.7	163.6	169.7	176.8	182.9	189.0	187.0	185.0	181.9
30°	170.7	174.8	179.9	183.9	182.9	182.9	181.9	180.9	192.1	202.2	213.4
32.5°	187.0	188.0	188.0	188.0	195.1	201.2	208.3	214.4	219.5	225.6	230.7
35°	201.2	203.3	204.3	206.3	215.5	224.6	232.7	241.9	252.0	262.2	272.4
37.5°	216.5	218.5	219.5	220.5	230.7	239.8	250.0	259.2	270.3	281.5	291.7
40°	234.8	237.8	239.8	241.9	251.0	260.2	269.3	278.5	290.7	302.9	314.0
42.5°	256.1	259.2	263.2	266.3	276.4	285.6	295.7	304.9	317.1	328.3	340.5
45°	280.5	284.6	287.6	291.7	304.9	317.1	330.3	342.5	353.7	363.8	375.0
47.5°	313.0	315.0	318.1	320.1	334.4	348.6	361.8	376.0	387.2	398.4	408.5
50°	349.6	349.6	350.6	350.6	368.9	386.2	404.5	421.8	431.9	443.1	453.3
52.5°	393.3	395.3	396.3	398.4	416.7	434.0	452.2	469.5	479.7	490.9	501.0
55°	449.2	450.2	450.2	451.2	469.5	487.8	506.1	524.4	534.6	544.7	554.9
57.5°	519.3	518.3	518.3	517.3	535.6	553.9	571.1	589.4	599.6	609.8	619.9
60°	594.5	591.5	587.4	584.4	604.7	626.0	646.4	666.7	675.8	685.0	694.1
62.5°	682.9	677.9	671.8	665.7	687.0	707.3	728.7	749.0	756.1	762.2	769.3
65°	769.3	758.1	745.9	734.8	759.2	783.5	807.9	832.3	837.4	842.5	846.6
67.5°	843.5	830.3	817.1	803.9	832.3	860.8	888.2	916.7	918.7	920.7	922.8
70°	898.4	885.2	872.0	858.8	893.3	927.9	962.4	997.0	998.0	999.0	1000.0
72.5°	937.0	923.8	909.6	896.4	931.9	966.5	1002.0	1036.6	1039.7	1041.7	1044.7
75°	951.2	931.9	912.6	893.3	924.8	955.3	986.8	1017.3	1014.2	1011.2	1007.1
77.5°	919.7	885.2	850.6	816.1	831.3	846.6	860.8	876.0	859.8	842.5	826.2
80°	779.5	730.7	680.9	631.1	620.9	610.8	599.6	589.4	559.0	528.5	497.0
82.5°	517.3	468.5	418.7	368.9	337.4	306.9	275.4	243.9	216.5	189.0	160.6
85°	171.8	146.3	120.9	95.5	85.4	76.2	66.1	55.9	51.8	47.8	43.7
87.5°	8.1	9.1	9.1	10.2	9.1	9.1	8.1	7.1	6.1	6.1	5.1
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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 CATALOG NUMBER: SDL-PA1-30-722-U-5WQ

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0
2.5°	221.5	221.5	222.6	222.6	222.6	222.6	221.5	222.6	222.6	222.6	222.6
5°	208.3	208.3	209.4	209.4	209.4	209.4	209.4	209.4	209.4	209.4	209.4
7.5°	196.1	193.1	189.0	186.0	181.9	180.9	178.9	180.9	181.9	186.0	189.0
10°	200.2	200.2	201.2	201.2	201.2	201.2	201.2	201.2	201.2	201.2	201.2
12.5°	193.1	189.0	183.9	179.9	174.8	175.8	176.8	175.8	174.8	179.9	183.9
15°	199.2	200.2	201.2	202.2	203.3	203.3	203.3	203.3	203.3	202.2	201.2
17.5°	192.1	188.0	182.9	178.9	173.8	173.8	172.8	173.8	173.8	178.9	182.9
20°	200.2	202.2	204.3	205.3	207.3	207.3	207.3	207.3	207.3	205.3	204.3
22.5°	176.8	176.8	176.8	175.8	175.8	175.8	175.8	175.8	175.8	175.8	176.8
25°	208.3	210.4	212.4	213.4	215.5	215.5	214.4	215.5	215.5	213.4	212.4
27.5°	179.9	180.9	182.9	183.9	185.0	185.0	185.0	185.0	185.0	183.9	182.9
30°	223.6	224.6	225.6	225.6	226.6	226.6	226.6	226.6	226.6	225.6	225.6
32.5°	235.8	244.9	255.1	264.2	273.4	274.4	275.4	274.4	273.4	264.2	255.1
35°	282.5	284.6	287.6	289.6	291.7	292.7	292.7	292.7	291.7	289.6	287.6
37.5°	302.9	304.9	305.9	307.9	308.9	310.0	310.0	310.0	308.9	307.9	305.9
40°	326.2	328.3	329.3	331.3	332.3	332.3	331.3	332.3	332.3	331.3	329.3
42.5°	351.6	352.6	354.7	355.7	356.7	357.7	357.7	357.7	356.7	355.7	354.7
45°	385.2	386.2	387.2	387.2	388.2	389.2	389.2	389.2	388.2	387.2	387.2
47.5°	419.7	421.8	422.8	424.8	425.8	426.8	427.9	426.8	425.8	424.8	422.8
50°	463.4	464.4	466.5	467.5	468.5	468.5	468.5	468.5	468.5	467.5	466.5
52.5°	511.2	512.2	512.2	513.2	513.2	513.2	512.2	513.2	513.2	513.2	512.2
55°	565.0	565.0	565.0	564.0	564.0	564.0	564.0	564.0	564.0	564.0	565.0
57.5°	630.1	630.1	630.1	630.1	630.1	627.0	623.0	627.0	630.1	630.1	630.1
60°	703.3	701.2	698.2	696.1	693.1	692.1	691.1	692.1	693.1	696.1	698.2
62.5°	775.4	772.4	768.3	765.3	761.2	760.2	758.1	760.2	761.2	765.3	768.3
65°	851.6	846.6	841.5	835.4	830.3	829.3	827.2	829.3	830.3	835.4	841.5
67.5°	924.8	919.7	914.6	908.6	903.5	902.5	900.4	902.5	903.5	908.6	914.6
70°	1001.0	996.0	990.9	984.8	979.7	979.7	978.7	979.7	979.7	984.8	990.9
72.5°	1046.8	1041.7	1037.6	1032.5	1027.5	1024.4	1021.4	1024.4	1027.5	1032.5	1037.6
75°	1004.1	996.0	987.8	978.7	970.5	968.5	966.5	968.5	970.5	978.7	987.8
77.5°	809.0	800.8	791.7	783.5	774.4	766.3	757.1	766.3	774.4	783.5	791.7
80°	466.5	446.1	425.8	405.5	385.2	380.1	375.0	380.1	385.2	405.5	425.8
82.5°	133.1	123.0	111.8	101.6	90.4	90.4	90.4	90.4	90.4	101.6	111.8
85°	39.6	34.6	30.5	25.4	20.3	19.3	18.3	19.3	20.3	25.4	30.5
87.5°	4.1	4.1	4.1	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.1
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):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0
2.5°	221.5	221.5	224.6	227.6	230.7	233.7	234.8	236.8	237.8	238.8	239.8
5°	208.3	208.3	208.3	208.3	208.3	208.3	208.3	208.3	208.3	208.3	208.3
7.5°	193.1	196.1	197.2	198.2	198.2	199.2	200.2	201.2	202.2	203.3	203.3
10°	200.2	200.2	198.2	197.2	195.1	193.1	188.0	182.9	176.8	171.8	171.8
12.5°	189.0	193.1	194.1	195.1	196.1	197.2	193.1	189.0	183.9	179.9	172.8
15°	200.2	199.2	192.1	185.0	176.8	169.7	163.6	158.5	152.4	146.3	143.3
17.5°	188.0	192.1	190.0	188.0	185.0	182.9	177.8	172.8	166.7	161.6	151.4
20°	202.2	200.2	188.0	175.8	162.6	150.4	151.4	151.4	152.4	152.4	152.4
22.5°	176.8	176.8	177.8	178.9	179.9	180.9	172.8	163.6	155.5	146.3	148.4
25°	210.4	208.3	198.2	187.0	176.8	165.7	168.7	171.8	173.8	176.8	168.7
27.5°	180.9	179.9	181.9	185.0	187.0	189.0	182.9	176.8	169.7	163.6	166.7
30°	224.6	223.6	213.4	202.2	192.1	180.9	181.9	182.9	182.9	183.9	179.9
32.5°	244.9	235.8	230.7	225.6	219.5	214.4	208.3	201.2	195.1	188.0	188.0
35°	284.6	282.5	272.4	262.2	252.0	241.9	232.7	224.6	215.5	206.3	204.3
37.5°	304.9	302.9	291.7	281.5	270.3	259.2	250.0	239.8	230.7	220.5	219.5
40°	328.3	326.2	314.0	302.9	290.7	278.5	269.3	260.2	251.0	241.9	239.8
42.5°	352.6	351.6	340.5	328.3	317.1	304.9	295.7	285.6	276.4	266.3	263.2
45°	386.2	385.2	375.0	363.8	353.7	342.5	330.3	317.1	304.9	291.7	287.6
47.5°	421.8	419.7	408.5	398.4	387.2	376.0	361.8	348.6	334.4	320.1	318.1
50°	464.4	463.4	453.3	443.1	431.9	421.8	404.5	386.2	368.9	350.6	350.6
52.5°	512.2	511.2	501.0	490.9	479.7	469.5	452.2	434.0	416.7	398.4	396.3
55°	565.0	565.0	554.9	544.7	534.6	524.4	506.1	487.8	469.5	451.2	450.2
57.5°	630.1	630.1	619.9	609.8	599.6	589.4	571.1	553.9	535.6	517.3	518.3
60°	701.2	703.3	694.1	685.0	675.8	666.7	646.4	626.0	604.7	584.4	587.4
62.5°	772.4	775.4	769.3	762.2	756.1	749.0	728.7	707.3	687.0	665.7	671.8
65°	846.6	851.6	846.6	842.5	837.4	832.3	807.9	783.5	759.2	734.8	745.9
67.5°	919.7	924.8	922.8	920.7	918.7	916.7	888.2	860.8	832.3	803.9	817.1
70°	996.0	1001.0	1000.0	999.0	998.0	997.0	962.4	927.9	893.3	858.8	872.0
72.5°	1041.7	1046.8	1044.7	1041.7	1039.7	1036.6	1002.0	966.5	931.9	896.4	909.6
75°	996.0	1004.1	1007.1	1011.2	1014.2	1017.3	986.8	955.3	924.8	893.3	912.6
77.5°	800.8	809.0	826.2	842.5	859.8	876.0	860.8	846.6	831.3	816.1	850.6
80°	446.1	466.5	497.0	528.5	559.0	589.4	599.6	610.8	620.9	631.1	680.9
82.5°	123.0	133.1	160.6	189.0	216.5	243.9	275.4	306.9	337.4	368.9	418.7
85°	34.6	39.6	43.7	47.8	51.8	55.9	66.1	76.2	85.4	95.5	120.9
87.5°	4.1	4.1	5.1	6.1	6.1	7.1	8.1	9.1	9.1	10.2	9.1
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°	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0
2.5°	240.9	241.9	242.9	243.9	243.9	244.9	244.9	245.9	245.9	247.0	247.0
5°	208.3	208.3	208.3	209.4	210.4	211.4	212.4	217.5	221.5	226.6	230.7
7.5°	203.3	202.2	202.2	201.2	201.2	200.2	199.2	197.2	194.1	192.1	189.0
10°	172.8	172.8	172.8	169.7	167.7	164.6	161.6	160.6	158.5	157.5	155.5
12.5°	166.7	159.6	152.4	150.4	148.4	146.3	144.3	145.3	146.3	147.4	148.4
15°	139.2	136.2	132.1	131.1	130.1	128.1	127.0	127.0	128.1	128.1	128.1
17.5°	141.3	131.1	120.9	126.0	132.1	137.2	142.3	140.2	138.2	135.2	133.1
20°	151.4	151.4	150.4	147.4	143.3	140.2	136.2	133.1	131.1	128.1	125.0
22.5°	150.4	152.4	154.5	149.4	144.3	138.2	133.1	139.2	144.3	150.4	155.5
25°	160.6	151.4	143.3	147.4	151.4	155.5	159.6	154.5	149.4	144.3	139.2
27.5°	169.7	171.8	174.8	169.7	164.6	159.6	154.5	158.5	162.6	165.7	169.7
30°	174.8	170.7	165.7	167.7	170.7	172.8	174.8	179.9	185.0	189.0	194.1
32.5°	188.0	187.0	187.0	187.0	188.0	188.0	188.0	198.2	207.3	217.5	226.6
35°	203.3	201.2	199.2	201.2	203.3	205.3	207.3	215.5	222.6	230.7	237.8
37.5°	218.5	216.5	215.5	215.5	215.5	215.5	215.5	224.6	233.7	241.9	251.0
40°	237.8	234.8	232.7	231.7	230.7	228.7	227.6	238.8	250.0	261.2	272.4
42.5°	259.2	256.1	252.0	251.0	250.0	248.0	247.0	259.2	271.3	282.5	294.7
45°	284.6	280.5	276.4	275.4	273.4	272.4	270.3	282.5	294.7	306.9	319.1
47.5°	315.0	313.0	310.0	307.9	304.9	302.9	299.8	312.0	325.2	337.4	349.6
50°	349.6	349.6	348.6	344.5	340.5	336.4	332.3	344.5	356.7	368.9	381.1
52.5°	395.3	393.3	391.3	387.2	383.1	378.1	374.0	386.2	397.4	409.6	420.7
55°	450.2	449.2	448.2	442.1	436.0	429.9	423.8	435.0	447.2	458.3	469.5
57.5°	518.3	519.3	519.3	511.2	503.1	493.9	485.8	498.0	510.2	521.3	533.5
60°	591.5	594.5	597.6	587.4	577.2	566.1	555.9	567.1	577.2	588.4	598.6
62.5°	677.9	682.9	689.0	673.8	658.5	643.3	628.1	640.3	652.4	663.6	675.8
65°	758.1	769.3	780.5	762.2	743.9	725.6	707.3	719.5	732.7	744.9	757.1
67.5°	830.3	843.5	856.7	838.4	819.1	800.8	781.5	795.7	810.0	823.2	837.4
70°	885.2	898.4	911.6	894.3	877.0	859.8	842.5	854.7	866.9	879.1	891.3
72.5°	923.8	937.0	950.2	928.9	907.5	885.2	863.8	878.1	892.3	905.5	919.7
75°	931.9	951.2	970.5	942.1	912.6	884.2	854.7	864.9	875.0	885.2	895.3
77.5°	885.2	919.7	954.3	913.6	872.0	831.3	789.6	788.6	786.6	785.6	783.5
80°	730.7	779.5	829.3	781.5	734.8	687.0	639.2	620.9	602.7	584.4	566.1
82.5°	468.5	517.3	567.1	514.2	461.4	407.5	354.7	313.0	272.4	230.7	189.0
85°	146.3	171.8	197.2	175.8	154.5	133.1	111.8	97.6	83.3	69.1	54.9
87.5°	9.1	8.1	7.1	8.1	8.1	9.1	9.1	8.1	8.1	7.1	6.1
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°	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0
2.5°	247.0	247.0	245.9	245.9	245.9	247.0	247.0	247.0	247.0	247.0	247.0
5°	232.7	235.8	237.8	239.8	240.9	240.9	241.9	241.9	241.9	241.9	241.9
7.5°	193.1	198.2	202.2	206.3	207.3	208.3	208.3	209.4	209.4	208.3	209.4
10°	156.5	158.5	159.6	160.6	165.7	171.8	176.8	181.9	181.9	181.9	181.9
12.5°	145.3	142.3	138.2	135.2	140.2	145.3	150.4	155.5	155.5	155.5	155.5
15°	132.1	136.2	140.2	144.3	151.4	159.6	166.7	173.8	173.8	173.8	173.8
17.5°	134.1	134.1	135.2	135.2	139.2	142.3	146.3	149.4	150.4	150.4	150.4
20°	130.1	135.2	140.2	145.3	153.5	161.6	168.7	176.8	177.8	178.9	177.8
22.5°	152.4	149.4	145.3	142.3	142.3	142.3	141.3	141.3	142.3	142.3	142.3
25°	148.4	156.5	165.7	173.8	179.9	185.0	191.1	196.1	196.1	195.1	196.1
27.5°	174.8	179.9	185.0	190.0	199.2	207.3	216.5	224.6	226.6	227.6	226.6
30°	207.3	219.5	232.7	244.9	251.0	257.1	263.2	269.3	269.3	269.3	269.3
32.5°	233.7	240.9	248.0	255.1	261.2	268.3	274.4	280.5	280.5	280.5	280.5
35°	245.9	254.1	261.2	269.3	275.4	281.5	286.6	292.7	293.7	293.7	293.7
37.5°	261.2	270.3	280.5	289.6	294.7	298.8	303.9	307.9	308.9	310.0	308.9
40°	282.5	292.7	302.9	313.0	317.1	321.1	324.2	328.3	328.3	328.3	328.3
42.5°	305.9	316.1	327.2	337.4	341.5	345.5	349.6	353.7	354.7	355.7	354.7
45°	331.3	343.5	355.7	367.9	373.0	378.1	382.1	387.2	388.2	389.2	388.2
47.5°	364.8	379.1	394.3	408.5	412.6	416.7	420.7	424.8	424.8	424.8	424.8
50°	400.4	418.7	438.0	456.3	458.3	461.4	463.4	465.5	466.5	466.5	466.5
52.5°	442.1	463.4	483.7	505.1	506.1	508.1	509.2	510.2	510.2	509.2	510.2
55°	492.9	515.3	538.6	561.0	561.0	562.0	562.0	562.0	561.0	559.0	561.0
57.5°	555.9	578.3	599.6	622.0	620.9	619.9	618.9	617.9	617.9	616.9	617.9
60°	619.9	642.3	663.6	685.0	682.9	679.9	677.9	674.8	673.8	671.8	673.8
62.5°	693.1	711.4	728.7	745.9	741.9	737.8	733.8	729.7	729.7	729.7	729.7
65°	770.3	784.6	797.8	811.0	806.9	803.9	799.8	795.7	793.7	791.7	793.7
67.5°	847.6	857.7	866.9	877.0	872.0	866.9	861.8	856.7	854.7	851.6	854.7
70°	901.4	911.6	921.8	931.9	926.8	921.8	915.7	910.6	909.6	908.6	909.6
72.5°	931.9	944.1	956.3	968.5	965.5	961.4	958.3	954.3	953.3	951.2	953.3
75°	904.5	914.6	923.8	932.9	927.9	922.8	917.7	912.6	909.6	905.5	909.6
77.5°	783.5	784.6	784.6	784.6	778.5	772.4	766.3	760.2	758.1	755.1	758.1
80°	544.7	523.4	502.0	480.7	460.4	440.0	419.7	399.4	394.3	388.2	394.3
82.5°	171.8	153.5	136.2	117.9	109.8	100.6	92.5	83.3	80.3	76.2	80.3
85°	51.8	48.8	44.7	41.7	38.6	35.6	31.5	28.5	26.4	24.4	26.4
87.5°	5.1	5.1	4.1	3.0	3.0	3.0	3.0	3.0	3.0	2.0	3.0
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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 CATALOG NUMBER: SDL-PA1-30-722-U-5WQ

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0
2.5°	247.0	247.0	247.0	245.9	245.9	245.9	247.0	247.0	247.0	247.0	245.9
5°	241.9	241.9	240.9	240.9	239.8	237.8	235.8	232.7	230.7	226.6	221.5
7.5°	209.4	208.3	208.3	207.3	206.3	202.2	198.2	193.1	189.0	192.1	194.1
10°	181.9	176.8	171.8	165.7	160.6	159.6	158.5	156.5	155.5	157.5	158.5
12.5°	155.5	150.4	145.3	140.2	135.2	138.2	142.3	145.3	148.4	147.4	146.3
15°	173.8	166.7	159.6	151.4	144.3	140.2	136.2	132.1	128.1	128.1	128.1
17.5°	149.4	146.3	142.3	139.2	135.2	135.2	134.1	134.1	133.1	135.2	138.2
20°	176.8	168.7	161.6	153.5	145.3	140.2	135.2	130.1	125.0	128.1	131.1
22.5°	141.3	141.3	142.3	142.3	142.3	145.3	149.4	152.4	155.5	150.4	144.3
25°	196.1	191.1	185.0	179.9	173.8	165.7	156.5	148.4	139.2	144.3	149.4
27.5°	224.6	216.5	207.3	199.2	190.0	185.0	179.9	174.8	169.7	165.7	162.6
30°	269.3	263.2	257.1	251.0	244.9	232.7	219.5	207.3	194.1	189.0	185.0
32.5°	280.5	274.4	268.3	261.2	255.1	248.0	240.9	233.7	226.6	217.5	207.3
35°	292.7	286.6	281.5	275.4	269.3	261.2	254.1	245.9	237.8	230.7	222.6
37.5°	307.9	303.9	298.8	294.7	289.6	280.5	270.3	261.2	251.0	241.9	233.7
40°	328.3	324.2	321.1	317.1	313.0	302.9	292.7	282.5	272.4	261.2	250.0
42.5°	353.7	349.6	345.5	341.5	337.4	327.2	316.1	305.9	294.7	282.5	271.3
45°	387.2	382.1	378.1	373.0	367.9	355.7	343.5	331.3	319.1	306.9	294.7
47.5°	424.8	420.7	416.7	412.6	408.5	394.3	379.1	364.8	349.6	337.4	325.2
50°	465.5	463.4	461.4	458.3	456.3	438.0	418.7	400.4	381.1	368.9	356.7
52.5°	510.2	509.2	508.1	506.1	505.1	483.7	463.4	442.1	420.7	409.6	397.4
55°	562.0	562.0	562.0	561.0	561.0	538.6	515.3	492.9	469.5	458.3	447.2
57.5°	617.9	618.9	619.9	620.9	622.0	599.6	578.3	555.9	533.5	521.3	510.2
60°	674.8	677.9	679.9	682.9	685.0	663.6	642.3	619.9	598.6	588.4	577.2
62.5°	729.7	733.8	737.8	741.9	745.9	728.7	711.4	693.1	675.8	663.6	652.4
65°	795.7	799.8	803.9	806.9	811.0	797.8	784.6	770.3	757.1	744.9	732.7
67.5°	856.7	861.8	866.9	872.0	877.0	866.9	857.7	847.6	837.4	823.2	810.0
70°	910.6	915.7	921.8	926.8	931.9	921.8	911.6	901.4	891.3	879.1	866.9
72.5°	954.3	958.3	961.4	965.5	968.5	956.3	944.1	931.9	919.7	905.5	892.3
75°	912.6	917.7	922.8	927.9	932.9	923.8	914.6	904.5	895.3	885.2	875.0
77.5°	760.2	766.3	772.4	778.5	784.6	784.6	784.6	783.5	783.5	785.6	786.6
80°	399.4	419.7	440.0	460.4	480.7	502.0	523.4	544.7	566.1	584.4	602.7
82.5°	83.3	92.5	100.6	109.8	117.9	136.2	153.5	171.8	189.0	230.7	272.4
85°	28.5	31.5	35.6	38.6	41.7	44.7	48.8	51.8	54.9	69.1	83.3
87.5°	3.0	3.0	3.0	3.0	3.0	4.1	5.1	5.1	6.1	7.1	8.1
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):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0
2.5°	245.9	244.9	244.9	243.9	243.9	242.9	241.9	240.9	239.8	238.8	237.8
5°	217.5	212.4	211.4	210.4	209.4	208.3	208.3	208.3	208.3	208.3	208.3
7.5°	197.2	199.2	200.2	201.2	201.2	202.2	202.2	203.3	203.3	203.3	202.2
10°	160.6	161.6	164.6	167.7	169.7	172.8	172.8	172.8	171.8	171.8	176.8
12.5°	145.3	144.3	146.3	148.4	150.4	152.4	159.6	166.7	172.8	179.9	183.9
15°	127.0	127.0	128.1	130.1	131.1	132.1	136.2	139.2	143.3	146.3	152.4
17.5°	140.2	142.3	137.2	132.1	126.0	120.9	131.1	141.3	151.4	161.6	166.7
20°	133.1	136.2	140.2	143.3	147.4	150.4	151.4	151.4	152.4	152.4	152.4
22.5°	139.2	133.1	138.2	144.3	149.4	154.5	152.4	150.4	148.4	146.3	155.5
25°	154.5	159.6	155.5	151.4	147.4	143.3	151.4	160.6	168.7	176.8	173.8
27.5°	158.5	154.5	159.6	164.6	169.7	174.8	171.8	169.7	166.7	163.6	169.7
30°	179.9	174.8	172.8	170.7	167.7	165.7	170.7	174.8	179.9	183.9	182.9
32.5°	198.2	188.0	188.0	188.0	187.0	187.0	187.0	188.0	188.0	188.0	195.1
35°	215.5	207.3	205.3	203.3	201.2	199.2	201.2	203.3	204.3	206.3	215.5
37.5°	224.6	215.5	215.5	215.5	215.5	215.5	216.5	218.5	219.5	220.5	230.7
40°	238.8	227.6	228.7	230.7	231.7	232.7	234.8	237.8	239.8	241.9	251.0
42.5°	259.2	247.0	248.0	250.0	251.0	252.0	256.1	259.2	263.2	266.3	276.4
45°	282.5	270.3	272.4	273.4	275.4	276.4	280.5	284.6	287.6	291.7	304.9
47.5°	312.0	299.8	302.9	304.9	307.9	310.0	313.0	315.0	318.1	320.1	334.4
50°	344.5	332.3	336.4	340.5	344.5	348.6	349.6	349.6	350.6	350.6	368.9
52.5°	386.2	374.0	378.1	383.1	387.2	391.3	393.3	395.3	396.3	398.4	416.7
55°	435.0	423.8	429.9	436.0	442.1	448.2	449.2	450.2	450.2	451.2	469.5
57.5°	498.0	485.8	493.9	503.1	511.2	519.3	519.3	518.3	518.3	517.3	535.6
60°	567.1	555.9	566.1	577.2	587.4	597.6	594.5	591.5	587.4	584.4	604.7
62.5°	640.3	628.1	643.3	658.5	673.8	689.0	682.9	677.9	671.8	665.7	687.0
65°	719.5	707.3	725.6	743.9	762.2	780.5	769.3	758.1	745.9	734.8	759.2
67.5°	795.7	781.5	800.8	819.1	838.4	856.7	843.5	830.3	817.1	803.9	832.3
70°	854.7	842.5	859.8	877.0	894.3	911.6	898.4	885.2	872.0	858.8	893.3
72.5°	878.1	863.8	885.2	907.5	928.9	950.2	937.0	923.8	909.6	896.4	931.9
75°	864.9	854.7	884.2	912.6	942.1	970.5	951.2	931.9	912.6	893.3	924.8
77.5°	788.6	789.6	831.3	872.0	913.6	954.3	919.7	885.2	850.6	816.1	831.3
80°	620.9	639.2	687.0	734.8	781.5	829.3	779.5	730.7	680.9	631.1	620.9
82.5°	313.0	354.7	407.5	461.4	514.2	567.1	517.3	468.5	418.7	368.9	337.4
85°	97.6	111.8	133.1	154.5	175.8	197.2	171.8	146.3	120.9	95.5	85.4
87.5°	8.1	9.1	9.1	8.1	8.1	7.1	8.1	9.1	9.1	10.2	9.1
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°	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0
2.5°	236.8	234.8	233.7	230.7	227.6	224.6	221.5	221.5	222.6	222.6	222.6
5°	208.3	208.3	208.3	208.3	208.3	208.3	208.3	208.3	209.4	209.4	209.4
7.5°	201.2	200.2	199.2	198.2	198.2	197.2	196.1	193.1	189.0	186.0	181.9
10°	182.9	188.0	193.1	195.1	197.2	198.2	200.2	200.2	201.2	201.2	201.2
12.5°	189.0	193.1	197.2	196.1	195.1	194.1	193.1	189.0	183.9	179.9	174.8
15°	158.5	163.6	169.7	176.8	185.0	192.1	199.2	200.2	201.2	202.2	203.3
17.5°	172.8	177.8	182.9	185.0	188.0	190.0	192.1	188.0	182.9	178.9	173.8
20°	151.4	151.4	150.4	162.6	175.8	188.0	200.2	202.2	204.3	205.3	207.3
22.5°	163.6	172.8	180.9	179.9	178.9	177.8	176.8	176.8	176.8	175.8	175.8
25°	171.8	168.7	165.7	176.8	187.0	198.2	208.3	210.4	212.4	213.4	215.5
27.5°	176.8	182.9	189.0	187.0	185.0	181.9	179.9	180.9	182.9	183.9	185.0
30°	182.9	181.9	180.9	192.1	202.2	213.4	223.6	224.6	225.6	225.6	226.6
32.5°	201.2	208.3	214.4	219.5	225.6	230.7	235.8	244.9	255.1	264.2	273.4
35°	224.6	232.7	241.9	252.0	262.2	272.4	282.5	284.6	287.6	289.6	291.7
37.5°	239.8	250.0	259.2	270.3	281.5	291.7	302.9	304.9	305.9	307.9	308.9
40°	260.2	269.3	278.5	290.7	302.9	314.0	326.2	328.3	329.3	331.3	332.3
42.5°	285.6	295.7	304.9	317.1	328.3	340.5	351.6	352.6	354.7	355.7	356.7
45°	317.1	330.3	342.5	353.7	363.8	375.0	385.2	386.2	387.2	387.2	388.2
47.5°	348.6	361.8	376.0	387.2	398.4	408.5	419.7	421.8	422.8	424.8	425.8
50°	386.2	404.5	421.8	431.9	443.1	453.3	463.4	464.4	466.5	467.5	468.5
52.5°	434.0	452.2	469.5	479.7	490.9	501.0	511.2	512.2	512.2	513.2	513.2
55°	487.8	506.1	524.4	534.6	544.7	554.9	565.0	565.0	565.0	564.0	564.0
57.5°	553.9	571.1	589.4	599.6	609.8	619.9	630.1	630.1	630.1	630.1	630.1
60°	626.0	646.4	666.7	675.8	685.0	694.1	703.3	701.2	698.2	696.1	693.1
62.5°	707.3	728.7	749.0	756.1	762.2	769.3	775.4	772.4	768.3	765.3	761.2
65°	783.5	807.9	832.3	837.4	842.5	846.6	851.6	846.6	841.5	835.4	830.3
67.5°	860.8	888.2	916.7	918.7	920.7	922.8	924.8	919.7	914.6	908.6	903.5
70°	927.9	962.4	997.0	998.0	999.0	1000.0	1001.0	996.0	990.9	984.8	979.7
72.5°	966.5	1002.0	1036.6	1039.7	1041.7	1044.7	1046.8	1041.7	1037.6	1032.5	1027.5
75°	955.3	986.8	1017.3	1014.2	1011.2	1007.1	1004.1	996.0	987.8	978.7	970.5
77.5°	846.6	860.8	876.0	859.8	842.5	826.2	809.0	800.8	791.7	783.5	774.4
80°	610.8	599.6	589.4	559.0	528.5	497.0	466.5	446.1	425.8	405.5	385.2
82.5°	306.9	275.4	243.9	216.5	189.0	160.6	133.1	123.0	111.8	101.6	90.4
85°	76.2	66.1	55.9	51.8	47.8	43.7	39.6	34.6	30.5	25.4	20.3
87.5°	9.1	8.1	7.1	6.1	6.1	5.1	4.1	4.1	4.1	3.0	3.0
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):

	357.5°	360°
0°	250.0	250.0
2.5°	222.6	221.5
5°	209.4	209.4
7.5°	180.9	178.9
10°	201.2	201.2
12.5°	175.8	176.8
15°	203.3	203.3
17.5°	173.8	172.8
20°	207.3	207.3
22.5°	175.8	175.8
25°	215.5	214.4
27.5°	185.0	185.0
30°	226.6	226.6
32.5°	274.4	275.4
35°	292.7	292.7
37.5°	310.0	310.0
40°	332.3	331.3
42.5°	357.7	357.7
45°	389.2	389.2
47.5°	426.8	427.9
50°	468.5	468.5
52.5°	513.2	512.2
55°	564.0	564.0
57.5°	627.0	623.0
60°	692.1	691.1
62.5°	760.2	758.1
65°	829.3	827.2
67.5°	902.5	900.4
70°	979.7	978.7
72.5°	1024.4	1021.4
75°	968.5	966.5
77.5°	766.3	757.1
80°	380.1	375.0
82.5°	90.4	90.4
85°	19.3	18.3
87.5°	3.0	3.0
90°	0.0	0.0

(END OF REPORT)