

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: EPHESUS

Report Number: P902128 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-AV-03-1360S-57-85-S5-ZVP418L**

Issue Date: 11/14/2024

**Test Information**

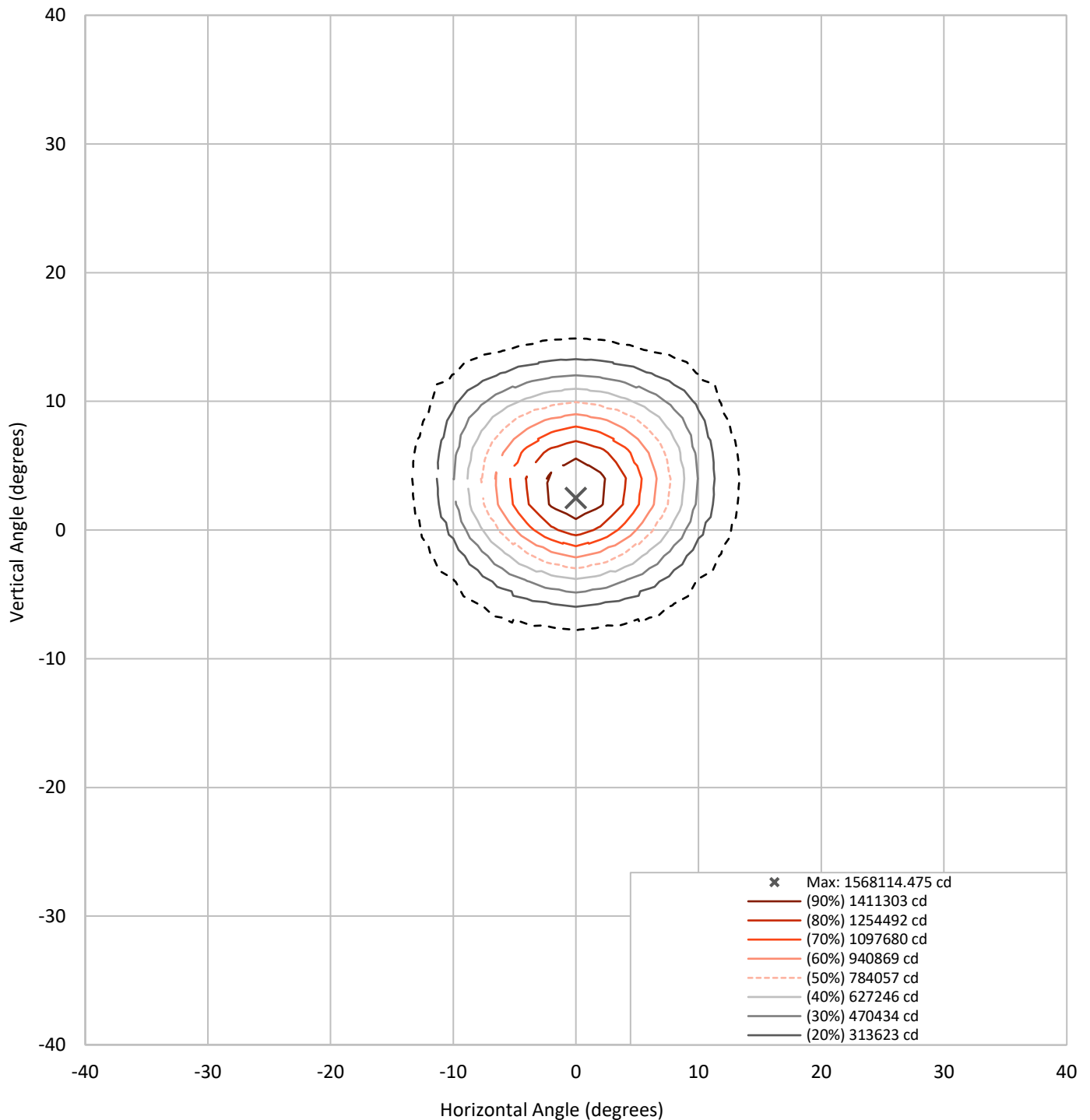
Test Method: LM-79-08  
Report Number: P902128 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( LVA2007036)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/14/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-AV-03-1360S-57-85-S5-ZVP418L  
Description: ARENAVISION LUMINAIRE  
5700K, 85 CRI LEDS AND S5-ZVP418L OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	2H x 2V
Luminaire Lumens:	116201.6 lumens	Max Intensity:	1568114.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 2.5°V
Efficacy:	82.2 lumens/watt		
Luminous Opening:	Rectangular (W 2m x L: 2m x H: 0m)		
Beam Angle (50%):	15.5°H x 12.9°V	Field Angle (10%):	25.9°H x 22.1°V
Beam Lumens:	54280.7 lumens	Field Lumens:	92181.1 lumens
Beam Efficiency:	46.7%	Field Efficiency:	79.3%
Input Watts (W):	1413		
Input Voltage (V):	NR		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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### Iso-Candela Plot





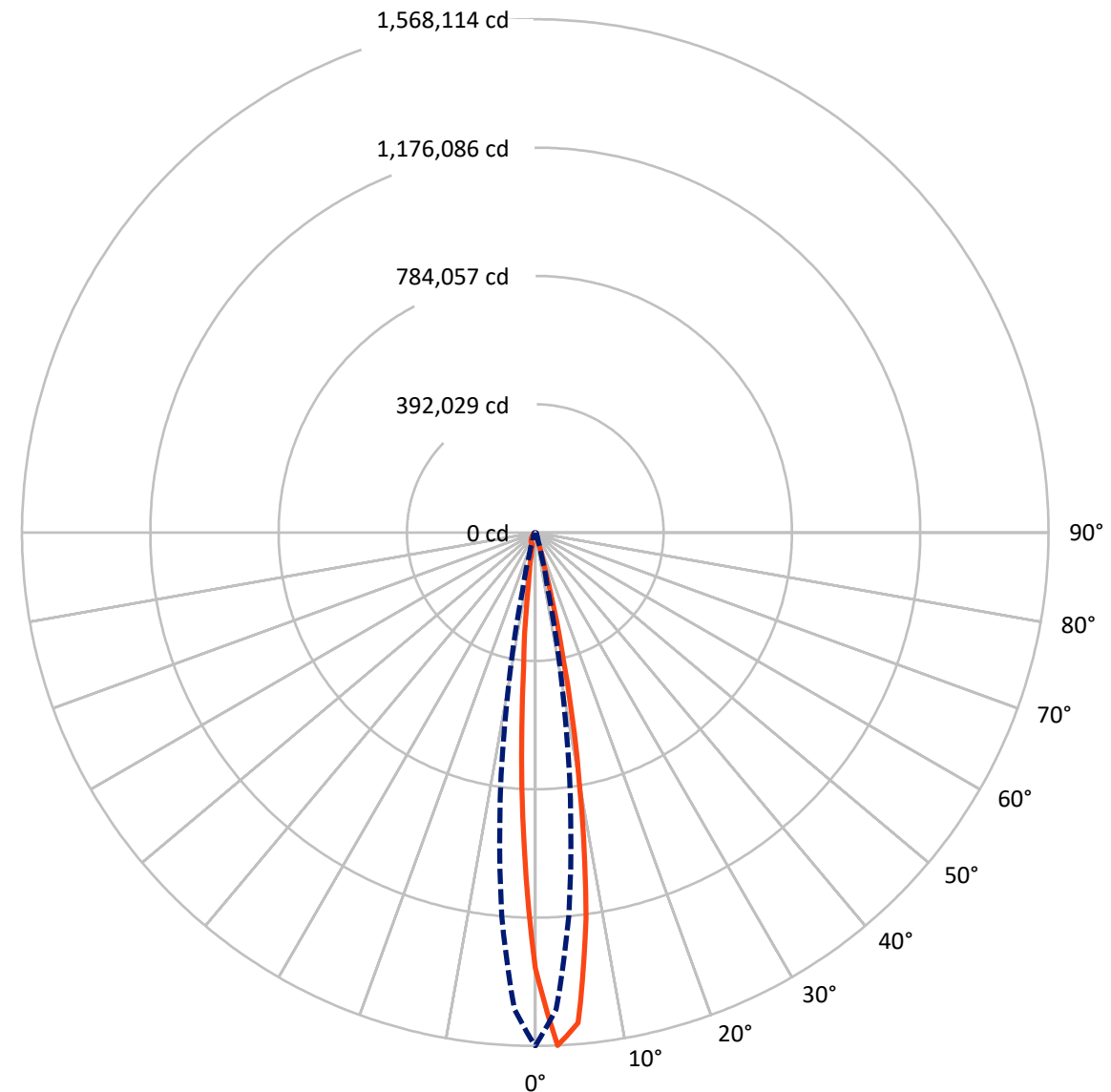
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### Lumen Table

90	0.1	0.3		0.6		0.9		1.1		0.9		0.6		0.3		0.1			
80	0.1	0.3		0.6		0.9		1.1		0.9		0.6		0.3		0.1			
70	0.3	0.2	0.4	0.6	0.7	0.8	1.0	1.1	1.1	1.0	0.8	0.7	0.6	0.4	0.2	0.3			
60		0.5	0.9	1.2	1.5	1.8	2.1	2.3	2.3	2.1	1.8	1.5	1.2	0.9	0.5				
50	1.2	1.1	1.9	2.8	3.6	4.3	5.4	6.6	6.6	5.4	4.3	3.6	2.8	1.9	1.1	1.2			
40		3.1	6.7	11.3	17.3	24.3	30.3	48.1	48.1	30.3	24.3	17.3	11.3	6.7	3.1				
30	6.0	6.8	15.8	28.5	46.1	68.4	97.2	173.2	173.2	97.2	68.4	46.1	28.5	15.8	6.8	6.0			
20		14.2	32.4	58.9	88.4	161.4	825.6	5161.1	5161.1	825.6	161.4	88.4	58.9	32.4	14.2				
10	13.8	24.9	61.4	106.4	159.2	340.3	3486.5	28940.4	28940.4	3486.5	340.3	159.2	106.4	61.4	24.9	13.8			
0		24.0	57.2	110.0	164.6	302.1	1601.6	11018.2	11018.2	1601.6	302.1	164.6	110.0	57.2	24.0				
-10	8.1	17.5	40.7	77.4	119.7	195.2	402.6	1016.5	1016.5	402.6	195.2	119.7	77.4	40.7	17.5	8.1			
-20		12.1	27.0	50.3	81.4	130.5	279.0	722.2	722.2	279.0	130.5	81.4	50.3	27.0	12.1				
-30	3.0	7.8	15.1	29.2	52.8	75.1	190.1	469.7	469.7	190.1	75.1	52.8	29.2	15.1	7.8	3.0			
-40		3.2	6.6	10.6	16.7	35.2	106.1	238.4	238.4	106.1	35.2	16.7	10.6	6.6	3.2				
-50	0.8	1.9	4.6	7.5	11.5	22.3	54.1	102.3	102.3	54.1	22.3	11.5	7.5	4.6	1.9	0.8			
-60		0.7	1.5	2.5	4.1	7.9	16.9	28.0	28.0	16.9	7.9	4.1	2.5	1.5	0.7				
-70	0.1	0.6		1.7		5.7		10.9		5.7		1.7		0.6		0.1			
-80		0.6		1.7		5.7		10.9		5.7		1.7		0.6					
-90	0.1	0.6		1.7		5.7		10.9		5.7		1.7		0.6		0.1			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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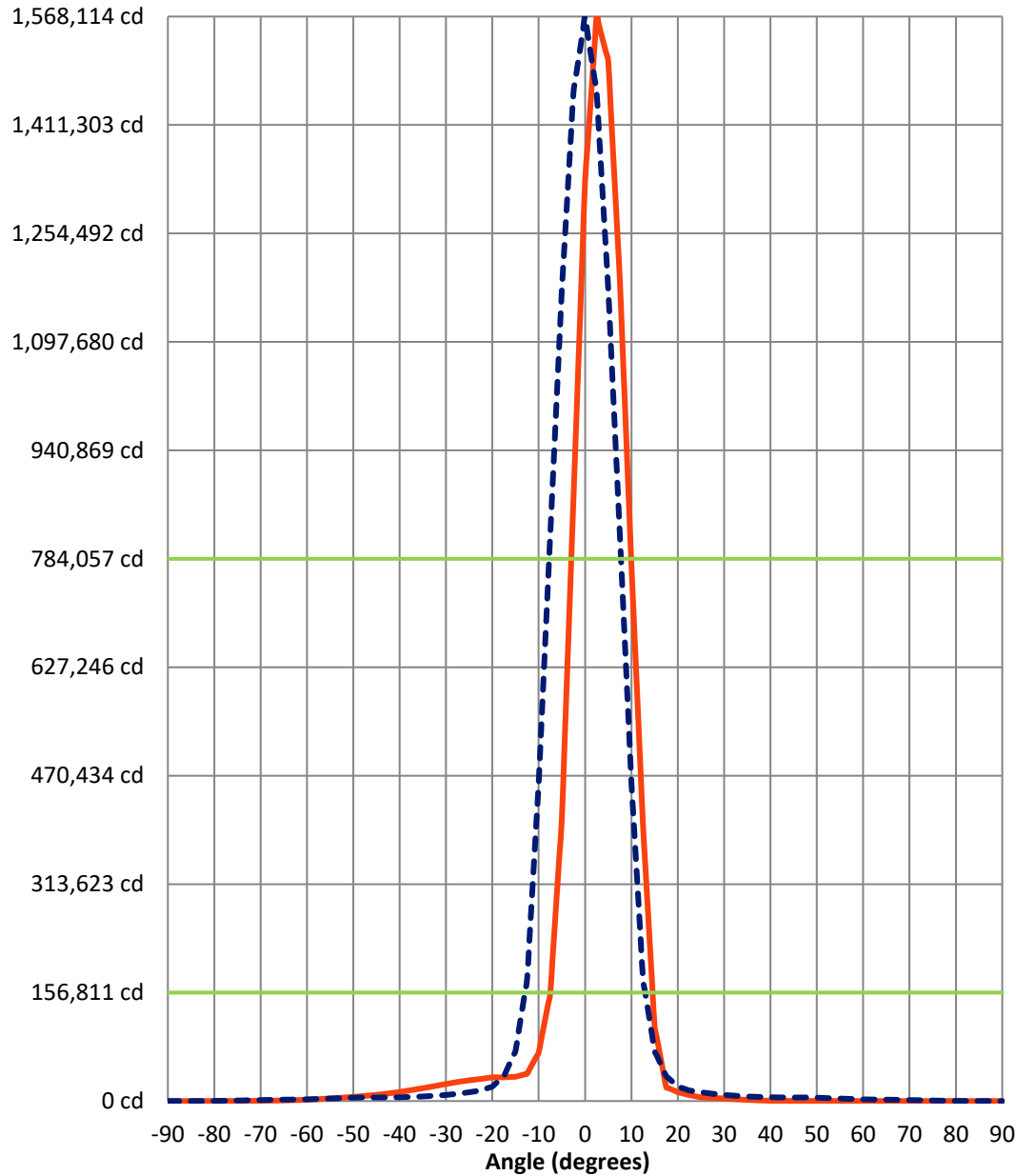
### Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg      - - - Horizontal Distribution Through 2.5-Deg

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 15.5°  
 V Angle: 12.9°  
 Lumens: 54280.7  
 Efficiency: 46.7%

**Field:**  
 H Angle: 25.9°  
 V Angle: 22.1°  
 Lumens: 92181.1  
 Efficiency: 79.3%

**Spill:**  
 Lumens: 24020.4  
 Efficiency: 20.7%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 2.5-Deg



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FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	0.7	0.8	0.9	1.0
85°	0.0	0.4	0.8	1.2	1.6	1.9	2.3	1.4	1.5	1.7	1.9
82.5°	0.0	0.6	1.2	1.8	2.3	2.9	3.5	2.1	2.3	2.6	2.8
80°	0.0	0.8	1.6	2.3	3.1	3.7	4.1	2.9	3.1	3.4	3.8
77.5°	0.0	1.0	1.9	2.9	3.7	4.3	4.8	3.7	4.1	5.0	5.0
75°	0.0	1.2	2.3	3.5	4.1	4.8	5.3	4.8	5.6	6.7	6.5
72.5°	0.0	1.4	2.7	3.9	4.5	5.2	6.0	6.0	7.1	8.4	8.6
70°	0.0	1.5	3.1	4.2	4.9	6.0	6.8	7.2	8.9	10.0	10.9
67.5°	0.0	1.7	3.4	4.6	5.3	7.1	7.7	9.2	10.8	12.3	13.9
65°	0.0	1.9	3.8	5.0	6.1	8.3	9.2	11.6	13.3	15.4	17.2
62.5°	0.0	2.1	4.2	5.4	7.1	9.5	11.1	14.1	16.4	18.9	21.0
60°	0.0	2.2	4.5	5.9	8.1	11.0	12.9	16.7	19.4	23.2	25.5
57.5°	0.0	2.4	4.9	6.4	9.2	12.8	14.6	19.4	23.6	27.7	31.3
55°	0.0	2.6	5.2	7.6	10.1	14.7	17.7	22.3	28.3	33.1	37.1
52.5°	0.0	2.7	5.5	8.7	11.2	16.7	21.1	26.9	33.1	38.9	45.0
50°	0.0	2.9	5.8	10.0	13.1	18.7	24.5	31.8	39.7	45.9	53.8
47.5°	0.0	3.0	6.1	11.3	15.2	22.1	28.2	36.8	46.9	56.5	65.3
45°	0.0	3.2	6.4	12.7	18.3	26.1	34.5	44.4	57.3	69.3	79.3
42.5°	0.0	3.3	6.7	14.1	21.6	30.6	41.7	58.4	75.8	87.7	96.0
40°	0.0	3.4	7.0	16.0	25.2	35.8	51.7	75.5	98.5	113.7	130.9
37.5°	0.0	3.6	7.2	18.5	29.2	41.4	65.6	95.3	125.4	152.8	177.0
35°	0.0	3.7	8.3	22.2	35.0	53.1	85.0	120.6	162.0	200.0	236.0
32.5°	0.0	3.9	9.7	26.8	42.1	68.9	107.9	153.0	202.6	252.5	299.9
30°	0.0	4.1	11.2	31.8	49.7	85.6	132.0	188.9	244.2	306.7	363.5
27.5°	0.0	4.2	13.0	37.1	62.5	103.2	162.0	226.2	292.6	363.2	432.0
25°	0.0	4.4	14.8	42.8	76.8	121.4	195.3	264.6	347.9	426.7	517.5
22.5°	0.0	4.5	16.6	48.7	92.0	145.8	230.2	327.4	409.0	509.8	607.3
20°	0.0	4.7	18.5	54.8	108.0	186.0	268.5	402.8	503.8	594.4	715.4
17.5°	0.0	4.8	20.3	61.7	124.5	229.0	352.4	484.6	642.0	729.6	829.5
15°	0.0	4.9	22.1	69.0	141.3	277.5	465.7	612.0	790.0	943.3	1034.8
12.5°	0.0	5.0	23.9	76.3	158.4	332.4	583.6	792.8	978.4	1165.6	1314.4
10°	0.0	5.1	25.5	83.5	175.5	379.9	704.3	974.8	1190.2	1404.5	1586.3
7.5°	0.0	5.2	27.1	90.5	192.2	417.0	758.5	1125.8	1397.2	1641.0	1833.4
5°	0.0	5.3	28.5	97.3	208.4	450.4	785.4	1135.9	1449.3	1778.2	2038.4
2.5°	0.0	5.4	29.8	103.7	223.9	480.3	807.2	1140.2	1447.9	1779.6	2046.2
0°	0.0	5.4	30.9	109.6	238.5	507.0	824.6	1139.5	1441.7	1776.2	2049.6
-2.5°	0.0	5.5	30.7	106.6	230.6	492.0	802.5	1116.3	1412.9	1713.3	1953.8
-5°	0.0	5.6	30.3	103.1	221.8	474.1	776.7	1088.6	1379.5	1647.0	1854.0
-7.5°	0.0	5.7	29.7	99.1	212.1	453.5	747.2	1056.4	1325.1	1557.3	1757.7
-10°	0.0	5.7	28.9	94.8	201.6	430.5	703.3	968.2	1214.4	1447.0	1656.1
-12.5°	0.0	5.7	28.1	90.1	190.5	395.6	624.1	865.0	1099.5	1323.8	1500.5
-15°	0.0	5.7	27.1	85.1	178.4	348.5	543.7	758.8	975.4	1153.8	1315.1
-17.5°	0.0	5.7	26.0	79.9	164.6	304.0	462.7	665.2	845.8	985.2	1157.6
-20°	0.0	5.6	24.8	74.6	150.7	263.2	399.4	588.0	720.0	874.5	1045.2



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**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	5.6	23.5	69.0	137.0	225.0	370.9	517.8	646.0	809.1	945.6
-25°	0.0	5.5	22.2	63.4	123.4	205.7	345.3	463.0	621.2	752.4	908.2
-27.5°	0.0	5.4	20.8	57.8	110.1	191.4	320.8	442.5	599.2	733.5	879.0
-30°	0.0	5.2	19.4	52.3	97.5	174.7	295.2	414.9	560.6	701.3	827.8
-32.5°	0.0	5.1	17.7	46.8	87.8	155.5	259.3	379.8	492.9	644.9	737.6
-35°	0.0	4.9	15.9	41.5	78.1	133.7	218.9	327.9	413.0	520.3	618.9
-37.5°	0.0	4.7	14.4	37.0	69.3	112.9	178.1	263.7	328.7	401.5	472.6
-40°	0.0	4.6	13.8	34.0	62.8	99.3	145.4	210.9	264.9	304.5	357.5
-42.5°	0.0	4.5	13.2	31.1	56.5	86.9	120.9	167.6	212.3	247.4	275.2
-45°	0.0	4.4	12.5	28.4	50.4	75.7	102.4	135.0	171.1	208.4	241.1
-47.5°	0.0	4.2	11.8	25.7	44.4	65.9	85.9	117.3	148.0	180.8	211.7
-50°	0.0	4.1	11.0	23.0	38.9	57.4	77.0	103.9	129.8	156.8	185.4
-52.5°	0.0	3.9	10.2	20.3	33.5	51.0	69.0	91.2	111.9	137.3	162.5
-55°	0.0	3.7	9.4	17.6	29.7	44.9	60.8	79.3	97.7	118.9	140.0
-57.5°	0.0	3.5	8.6	14.8	26.2	38.7	51.9	67.5	83.2	100.6	119.2
-60°	0.0	3.3	7.8	13.4	22.6	32.4	43.8	54.8	68.5	80.1	97.5
-62.5°	0.0	3.0	6.9	12.1	19.0	27.0	35.9	42.1	54.2	58.4	75.5
-65°	0.0	2.8	6.0	10.8	15.3	22.5	28.1	34.2	41.1	45.9	53.8
-67.5°	0.0	2.6	5.3	9.4	12.4	18.0	21.9	26.4	31.4	35.9	40.6
-70°	0.0	2.3	4.7	8.0	10.4	13.5	17.3	19.1	23.7	27.2	30.4
-72.5°	0.0	2.0	4.1	6.6	8.5	10.3	12.8	14.7	16.5	19.9	22.3
-75°	0.0	1.8	3.6	5.3	6.5	8.2	8.9	10.3	11.8	13.6	15.1
-77.5°	0.0	1.5	3.0	4.5	4.5	6.2	6.5	6.8	7.2	9.0	10.2
-80°	0.0	1.2	2.4	3.6	3.2	4.2	4.1	4.6	4.5	5.1	6.3
-82.5°	0.0	0.9	1.8	2.7	2.4	2.9	1.8	2.5	2.9	3.4	4.0
-85°	0.0	0.6	1.2	1.8	1.6	1.9	1.2	1.4	1.5	1.7	2.0
-87.5°	0.0	0.3	0.6	0.9	0.8	1.0	0.6	0.7	0.8	0.9	1.0
-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):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.0	1.1	1.2	1.3	1.4	1.4	1.5	1.6	1.7	1.7	1.8
85°	2.1	2.2	2.4	2.6	2.7	2.9	3.0	3.2	3.3	3.4	3.6
82.5°	3.1	3.4	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
80°	4.2	4.5	4.9	3.9	3.7	4.0	4.3	4.6	4.9	5.2	5.4
77.5°	5.2	5.7	6.1	5.1	5.1	5.5	6.0	6.2	6.6	6.9	7.2
75°	7.1	7.2	7.3	7.1	7.4	8.3	8.1	8.3	9.1	9.9	9.6
72.5°	9.1	9.3	9.6	9.9	10.4	11.2	11.4	11.5	12.4	12.8	12.4
70°	11.6	11.7	12.3	13.1	14.0	14.4	15.0	15.9	16.1	16.2	15.9
67.5°	14.7	15.8	15.7	16.9	18.3	18.7	19.9	20.8	20.9	20.9	20.9
65°	18.9	20.6	21.5	22.1	23.4	23.4	25.4	25.8	26.3	26.4	26.4
62.5°	23.4	25.4	27.4	27.7	29.1	29.5	30.5	31.8	33.1	33.5	33.8
60°	28.8	31.3	33.4	34.0	35.4	36.5	37.6	38.3	39.9	41.3	41.8
57.5°	35.0	38.2	40.1	40.8	42.6	44.2	44.4	45.4	47.8	48.6	49.8
55°	42.1	45.0	46.9	48.9	50.5	52.1	53.0	55.2	56.9	57.8	58.8
52.5°	49.9	52.6	56.1	58.5	60.2	62.4	63.4	65.9	67.9	69.6	70.6
50°	59.8	63.3	66.5	69.5	73.3	75.6	76.2	79.7	81.1	84.0	85.7
47.5°	71.7	76.2	81.7	86.1	90.5	93.4	96.6	100.0	101.1	105.6	107.7
45°	87.6	94.0	101.1	107.6	113.0	117.5	121.4	127.3	130.7	134.7	137.4
42.5°	107.7	115.1	123.4	131.5	138.3	144.4	149.2	155.4	161.2	167.8	169.4
40°	141.4	148.1	157.8	169.6	175.9	176.6	191.6	209.8	211.9	225.2	219.6
37.5°	189.9	214.5	237.3	248.3	252.3	268.7	301.3	342.3	366.3	396.3	388.1
35°	265.1	305.4	341.4	365.9	392.4	427.4	472.5	529.9	572.0	613.1	632.9
32.5°	347.8	404.0	457.1	509.3	555.4	595.4	641.0	692.9	752.3	814.7	866.3
30°	425.8	489.8	562.2	634.6	702.1	764.6	809.3	861.0	932.8	1046.3	1152.0
27.5°	504.4	575.8	666.7	761.6	850.9	933.9	995.6	1063.3	1167.0	1300.3	1427.1
25°	591.8	684.8	777.8	893.4	997.5	1107.9	1202.0	1294.6	1419.3	1544.7	1683.5
22.5°	703.9	799.3	913.1	1030.3	1157.1	1276.7	1421.1	1548.9	1652.8	1794.0	1964.4
20°	817.7	932.6	1054.9	1189.6	1330.2	1467.5	1629.0	1813.4	1963.2	2089.7	2301.4
17.5°	974.6	1082.4	1227.5	1382.0	1521.8	1686.0	1851.4	2107.0	2309.9	2455.1	2601.6
15°	1150.6	1339.9	1506.5	1643.0	1890.3	2036.4	2273.7	2513.2	2755.4	2911.6	3030.7
12.5°	1461.6	1642.5	1949.6	2203.4	2507.1	2950.2	3185.6	3279.8	3528.1	3693.6	3838.5
10°	1792.5	2014.9	2430.1	2835.8	3340.8	3946.3	4183.4	4196.1	4257.1	4438.4	4627.8
7.5°	2023.8	2286.2	2867.2	3403.7	3880.8	4614.4	4821.8	4727.7	4756.1	4939.2	5218.3
5°	2226.5	2443.1	3035.1	3645.7	4153.1	4915.3	5126.5	5046.3	5086.4	5309.2	5744.8
2.5°	2233.7	2465.1	3048.6	3678.5	4194.7	4957.8	5191.2	5120.2	5231.6	5513.5	5953.6
0°	2220.8	2435.6	2936.1	3501.3	4052.9	4840.2	5126.0	5113.2	5305.2	5683.0	6041.5
-2.5°	2138.4	2372.5	2801.3	3303.9	3888.2	4684.1	5059.5	5135.0	5411.3	5774.4	6105.5
-5°	2050.9	2301.4	2676.6	3146.5	3748.8	4540.1	5033.9	5173.8	5453.4	5802.8	6079.8
-7.5°	1966.9	2221.1	2568.5	3007.7	3580.8	4332.8	4900.4	5056.6	5234.7	5567.1	5935.9
-10°	1865.4	2096.9	2405.9	2805.5	3340.5	4022.2	4627.7	4782.1	4842.6	5159.1	5522.9
-12.5°	1689.1	1927.6	2216.5	2527.5	2954.8	3560.6	4081.7	4303.7	4356.8	4647.2	4973.7
-15°	1506.7	1732.6	1976.7	2239.6	2545.1	2897.8	3311.2	3516.8	3752.1	4048.8	4408.7
-17.5°	1349.0	1532.0	1772.3	2001.4	2226.8	2484.2	2680.4	2952.6	3184.6	3461.7	3794.5
-20°	1203.0	1402.7	1605.3	1812.5	2013.5	2215.8	2394.0	2608.0	2843.4	3134.0	3419.7



REPORT NUMBER: P902128 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1126.5	1294.0	1485.4	1652.8	1837.1	2011.4	2185.9	2368.6	2585.0	2869.5	3140.4
-25°	1057.1	1224.9	1386.5	1532.7	1684.2	1858.9	2061.4	2256.1	2468.0	2724.4	2914.6
-27.5°	1005.4	1160.9	1286.1	1408.2	1533.5	1710.0	1942.2	2248.9	2569.2	2797.0	2934.0
-30°	950.6	1050.6	1169.2	1248.3	1353.3	1520.8	1751.6	2066.3	2514.5	2833.0	2993.3
-32.5°	840.3	918.2	986.5	1061.6	1151.9	1271.8	1440.7	1692.1	2056.6	2522.1	2860.9
-35°	687.2	739.9	786.2	845.1	911.2	996.3	1098.8	1264.6	1498.9	1820.6	2078.8
-37.5°	519.7	558.5	603.4	645.5	685.6	744.6	813.7	889.6	1002.2	1147.3	1287.8
-40°	391.9	414.1	449.1	487.2	522.4	558.0	600.0	646.7	697.0	750.1	827.2
-42.5°	303.9	339.4	371.3	399.6	424.6	452.2	471.0	510.3	549.5	586.0	629.1
-45°	266.6	302.9	330.4	357.3	385.6	413.1	435.6	454.8	487.7	518.3	557.1
-47.5°	242.3	279.5	307.9	340.1	367.0	395.4	420.8	447.6	475.9	499.8	535.9
-50°	215.6	250.3	290.1	323.2	348.5	375.7	397.1	419.6	442.8	472.4	499.8
-52.5°	188.7	222.5	267.7	303.7	325.9	348.9	367.7	383.9	406.2	426.0	460.4
-55°	166.9	202.5	247.8	280.4	307.7	323.8	346.6	359.0	380.5	407.9	434.3
-57.5°	143.1	174.3	204.3	241.0	258.4	292.1	307.0	322.5	337.9	361.8	378.7
-60°	114.2	136.0	152.7	172.8	182.5	200.1	220.9	223.2	252.6	264.1	276.4
-62.5°	79.3	98.1	101.7	116.4	120.5	126.6	135.7	141.8	140.2	165.9	174.6
-65°	57.9	65.0	69.9	74.0	83.4	85.7	95.9	101.5	107.1	117.6	128.0
-67.5°	44.3	48.4	52.2	56.5	61.2	66.1	71.3	76.2	81.8	90.7	97.9
-70°	33.4	35.6	39.0	41.8	45.1	49.6	52.8	55.8	61.2	67.4	73.5
-72.5°	23.3	25.8	27.9	29.6	32.1	35.0	37.2	39.9	43.8	47.6	51.0
-75°	16.5	17.5	18.8	20.5	21.5	23.2	24.9	26.5	29.1	31.2	33.5
-77.5°	10.3	10.7	11.4	12.1	13.0	14.6	15.5	15.8	17.3	18.0	19.4
-80°	6.1	5.7	5.7	5.2	5.8	7.4	8.3	7.8	8.5	8.4	8.8
-82.5°	2.8	1.7	1.9	2.4	2.8	3.3	3.8	2.5	2.7	3.1	1.9
-85°	0.6	0.5	0.6	0.8	0.9	1.1	1.2	0.1	0.0	0.0	0.0
-87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-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):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.8	1.9	1.9	2.0	2.0	2.1	2.1	2.1	2.2	2.2	2.2
85°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
82.5°	3.7	3.9	4.1	4.2	4.4	4.5	4.6	4.7	4.8	4.9	4.9
80°	5.7	5.9	6.1	6.3	6.4	6.6	6.8	6.9	7.0	7.1	7.2
77.5°	7.5	7.8	8.0	8.3	8.5	8.7	8.9	9.0	9.2	9.3	9.6
75°	9.5	9.8	10.0	10.2	10.5	10.8	11.0	11.4	11.8	12.1	13.9
72.5°	13.2	13.1	12.9	13.6	14.3	14.9	15.3	15.8	16.2	16.5	18.3
70°	17.1	17.4	17.9	18.5	19.1	20.1	20.3	21.1	21.8	22.3	23.0
67.5°	22.1	22.3	23.5	23.4	24.2	25.0	26.0	26.9	26.7	27.2	27.7
65°	26.6	28.7	29.5	29.1	28.7	30.0	31.6	33.4	33.1	33.8	34.4
62.5°	34.2	35.5	35.6	35.5	35.7	37.4	39.1	40.4	41.0	41.1	42.0
60°	41.9	42.6	43.3	43.8	44.1	45.5	45.8	47.3	48.7	49.7	49.6
57.5°	51.1	51.3	52.6	52.5	53.5	55.3	56.4	56.8	58.6	60.2	61.1
55°	60.6	61.2	62.8	62.7	64.0	65.0	66.3	68.2	69.7	71.3	72.6
52.5°	70.8	72.7	73.4	74.6	76.1	78.0	79.9	80.9	82.9	85.0	85.4
50°	85.6	88.1	88.7	91.1	92.9	94.6	96.5	98.4	100.2	103.4	104.7
47.5°	109.8	111.5	113.2	114.4	116.9	119.8	120.1	123.4	130.5	133.8	135.0
45°	140.7	143.1	146.7	148.5	154.8	156.5	161.5	170.3	177.3	182.0	189.4
42.5°	174.1	176.4	180.2	185.6	188.9	196.2	203.7	214.5	226.9	241.3	256.6
40°	218.3	215.1	220.4	231.9	230.7	240.5	249.0	267.6	284.2	314.9	346.3
37.5°	370.6	350.2	379.1	378.9	334.5	389.1	387.3	430.2	453.4	543.2	634.7
35°	656.6	685.2	729.6	761.4	817.2	801.0	842.8	856.4	916.9	1009.8	1184.9
32.5°	947.6	1071.4	1209.2	1291.5	1319.8	1323.5	1331.4	1372.9	1441.2	1504.2	1701.7
30°	1272.6	1440.5	1626.2	1759.9	1945.6	1978.4	2022.7	2058.0	2098.0	2218.4	2468.3
27.5°	1576.5	1757.1	1892.4	2007.7	2282.0	2348.7	2456.4	2522.5	2605.6	2850.9	3199.9
25°	1840.5	1966.7	2116.9	2217.6	2448.7	2484.7	2624.2	2755.4	2964.2	3415.9	3871.3
22.5°	2106.6	2227.5	2410.4	2594.7	2831.6	2861.5	2972.7	3174.3	3614.5	4240.0	5249.1
20°	2429.6	2545.6	2729.5	3007.7	3337.0	3514.5	3726.5	4244.8	4979.8	5865.9	6944.5
17.5°	2737.6	2915.8	3140.7	3510.1	4162.6	4698.5	5306.9	6018.2	7019.0	8546.2	10393.0
15°	3264.5	3529.6	3885.0	4517.3	5359.9	6242.9	7398.1	9717.2	14952.5	22741.0	26455.5
12.5°	4102.9	4556.3	5216.8	6084.0	7093.7	8334.6	10564.7	16305.5	30859.1	69370.3	130924.9
10°	4966.8	5803.6	6728.0	7936.3	9289.3	10656.6	13437.6	19916.2	40176.6	101200.6	282323.9
7.5°	5714.9	6615.1	7741.4	9288.5	11009.5	12978.3	17453.1	29331.7	59540.5	145715.5	395224.7
5°	6295.1	7246.9	8435.1	10169.5	12365.9	15095.2	21541.7	39672.4	78726.1	183724.4	464471.9
2.5°	6619.8	7659.1	8788.1	10563.7	12704.8	15300.4	20925.1	36139.5	72776.3	176488.9	460729.2
0°	6691.4	7685.3	8726.5	10359.8	12353.5	14642.0	18752.7	31341.8	63770.4	144938.6	350879.7
-2.5°	6617.4	7333.4	8268.8	9753.3	11564.7	13756.7	17079.9	26868.1	54056.8	109887.7	209278.9
-5°	6559.3	7143.9	7797.8	8877.3	10576.6	12604.2	15375.7	21632.7	38997.8	66662.5	105393.9
-7.5°	6405.4	6970.5	7542.5	8231.7	9554.4	11317.0	13675.2	17822.6	24673.8	37799.5	68189.2
-10°	5935.5	6471.4	7015.0	7712.6	8741.2	10019.2	11716.1	13806.5	17004.3	23372.8	39398.6
-12.5°	5300.7	5737.6	6250.8	6818.1	7698.0	8595.7	10017.3	11715.0	13958.7	17553.9	22261.8
-15°	4719.8	5111.2	5546.7	6083.5	6843.9	7638.0	8817.2	10346.9	12270.4	15189.1	19354.5
-17.5°	4131.6	4488.1	4896.5	5341.9	6202.4	6874.6	7664.4	8934.9	10811.7	13733.4	17858.5
-20°	3679.5	4075.6	4527.1	4921.6	5658.7	6396.6	6908.8	7926.7	9741.6	12613.0	16929.6



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3408.4	3746.4	4149.0	4547.0	5168.6	5869.9	6335.4	7312.9	8978.8	11583.5	15546.3
-25°	3164.0	3427.4	3780.5	4134.5	4577.0	5348.1	6041.0	7159.5	8969.5	11619.6	15191.0
-27.5°	2975.5	3107.9	3381.5	3699.3	4054.6	4769.5	5641.5	6677.5	8650.9	11312.0	14569.5
-30°	2968.4	2958.9	3045.7	3213.6	3504.6	3984.6	4791.6	5842.7	7687.0	10148.5	13328.1
-32.5°	2926.4	2846.3	2828.7	2861.5	3050.9	3458.9	4173.3	5203.4	6805.0	9065.2	11964.3
-35°	2435.4	2391.5	2460.7	2518.6	2694.2	3000.5	3593.2	4580.3	5997.4	8068.1	10545.8
-37.5°	1456.8	1557.3	1727.6	1820.9	2010.3	2457.4	3057.2	3967.5	5252.2	7023.7	9202.6
-40°	925.7	974.0	1168.7	1320.6	1585.1	1972.1	2497.8	3362.2	4494.1	5993.4	7803.1
-42.5°	696.6	766.6	863.2	1040.4	1273.2	1657.0	2161.2	2882.9	3867.6	5102.9	6598.0
-45°	613.7	690.1	789.0	938.6	1149.3	1474.2	1932.3	2568.8	3406.0	4437.9	5624.7
-47.5°	581.8	650.8	740.0	865.7	1055.2	1341.4	1740.1	2269.1	2967.0	3819.1	4762.0
-50°	544.6	602.9	684.6	797.9	968.9	1217.9	1557.2	2003.2	2580.3	3254.2	3994.2
-52.5°	494.2	554.6	629.1	733.7	883.3	1092.0	1371.7	1736.2	2187.3	2710.6	3278.5
-55°	477.8	518.3	590.2	675.1	794.2	961.3	1175.7	1451.9	1790.0	2173.6	2592.4
-57.5°	418.5	452.7	507.7	579.2	672.8	799.1	963.4	1165.8	1409.5	1681.9	1970.2
-60°	308.0	338.1	369.6	425.6	507.5	598.5	701.3	858.0	1040.2	1236.2	1437.2
-62.5°	191.4	224.8	251.8	289.4	349.4	419.0	499.2	605.1	730.9	865.4	1001.1
-65°	141.5	161.1	183.2	214.6	254.7	305.0	364.2	435.8	519.8	612.0	704.0
-67.5°	108.8	123.5	141.1	163.5	190.5	226.2	267.6	315.9	370.3	428.6	487.3
-70°	80.8	90.9	104.1	119.9	138.1	162.3	190.9	222.5	256.8	293.2	330.3
-72.5°	56.8	64.0	73.3	84.5	97.0	112.2	130.3	150.1	172.8	196.2	219.4
-75°	36.9	41.8	47.7	54.9	62.3	70.7	81.6	94.0	108.4	122.0	135.3
-77.5°	21.6	24.1	28.0	31.3	35.3	39.9	46.7	51.4	58.8	65.8	72.4
-80°	10.1	11.4	13.1	13.7	15.8	17.4	19.8	22.9	25.5	28.2	29.1
-82.5°	2.3	3.0	3.6	3.6	4.0	4.3	4.7	5.9	6.3	6.6	5.1
-85°	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.7	0.7	0.8	0.0
-87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-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):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.2	2.2	3.6	3.6	3.6	2.2	2.2	2.2	2.2	2.2	2.1
85°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
82.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.9	4.9	4.8	4.7
80°	7.2	7.3	7.3	7.3	7.3	7.3	7.2	7.2	7.1	7.0	6.9
77.5°	9.5	9.9	11.3	11.4	11.3	9.9	9.5	9.6	9.3	9.2	9.0
75°	12.7	14.3	14.5	14.6	14.5	14.3	12.7	13.9	12.1	11.8	11.4
72.5°	18.3	18.9	19.1	19.1	19.1	18.9	18.3	18.3	16.5	16.2	15.8
70°	23.4	23.6	23.7	23.7	23.7	23.6	23.4	23.0	22.3	21.8	21.1
67.5°	28.1	28.4	28.6	28.7	28.6	28.4	28.1	27.7	27.2	26.7	26.9
65°	34.9	35.2	35.4	35.5	35.4	35.2	34.9	34.4	33.8	33.1	33.4
62.5°	42.7	43.3	43.6	43.7	43.6	43.3	42.7	42.0	41.1	41.0	40.4
60°	50.2	50.7	52.4	51.0	52.4	50.7	50.2	49.6	49.7	48.7	47.3
57.5°	61.0	61.7	63.7	64.2	63.7	61.7	61.0	61.1	60.2	58.6	56.8
55°	72.8	73.8	75.2	75.6	75.2	73.8	72.8	72.6	71.3	69.7	68.2
52.5°	87.2	88.6	89.4	89.6	89.4	88.6	87.2	85.4	85.0	82.9	80.9
50°	105.8	107.7	107.6	107.4	107.6	107.7	105.8	104.7	103.4	100.2	98.4
47.5°	137.9	143.4	145.7	147.0	145.7	143.4	137.9	135.0	133.8	130.5	123.4
45°	199.7	206.9	210.5	212.1	210.5	206.9	199.7	189.4	182.0	177.3	170.3
42.5°	270.9	281.9	294.0	296.3	294.0	281.9	270.9	256.6	241.3	226.9	214.5
40°	366.0	389.0	403.9	405.9	403.9	389.0	366.0	346.3	314.9	284.2	267.6
37.5°	731.8	820.2	882.2	907.0	882.2	820.2	731.8	634.7	543.2	453.4	430.2
35°	1360.9	1540.1	1668.3	1729.3	1668.3	1540.1	1360.9	1184.9	1009.8	916.9	856.4
32.5°	2059.9	2370.3	2553.8	2587.1	2553.8	2370.3	2059.9	1701.7	1504.2	1441.2	1372.9
30°	2733.6	3097.3	3541.0	3846.3	3541.0	3097.3	2733.6	2468.3	2218.4	2098.0	2058.0
27.5°	3466.3	3811.3	4149.6	4332.3	4149.6	3811.3	3466.3	3199.9	2850.9	2605.6	2522.5
25°	4371.9	4989.2	5239.0	5358.0	5239.0	4989.2	4371.9	3871.3	3415.9	2964.2	2755.4
22.5°	6663.8	7724.0	8352.6	8637.8	8352.6	7724.0	6663.8	5249.1	4240.0	3614.5	3174.3
20°	9188.1	10829.4	12125.4	12860.4	12125.4	10829.4	9188.1	6944.5	5865.9	4979.8	4244.8
17.5°	13828.6	16119.0	19066.5	20156.1	19066.5	16119.0	13828.6	10393.0	8546.2	7019.0	6018.2
15°	57467.7	67267.8	100852.7	108548.7	100852.7	67267.8	57467.7	26455.5	22741.0	14952.5	9717.2
12.5°	230001.0	309995.7	375846.7	398794.4	375846.7	309995.7	230001.0	130924.9	69370.3	30859.1	16305.5
10°	458793.0	612973.7	724168.5	775736.2	724168.5	612973.7	458793.0	282323.9	101200.6	40176.6	19916.2
7.5°	663869.8	910539.5	#####	#####	#####	910539.5	663869.8	395224.7	145715.5	59540.5	29331.7
5°	815907.4	#####	#####	#####	#####	#####	815907.4	464471.9	183724.4	78726.1	39672.4
2.5°	820143.9	#####	#####	#####	#####	#####	820143.9	460729.2	176488.9	72776.3	36139.5
0°	635450.7	941414.8	#####	#####	#####	941414.8	635450.7	350879.7	144938.6	63770.4	31341.8
-2.5°	388228.4	603055.7	787765.1	870951.2	787765.1	603055.7	388228.4	209278.9	109887.7	54056.8	26868.1
-5°	194409.2	290451.4	362470.7	408865.2	362470.7	290451.4	194409.2	105393.9	66662.5	38997.8	21632.7
-7.5°	98205.6	119255.1	130573.9	156171.1	130573.9	119255.1	98205.6	68189.2	37799.5	24673.8	17822.6
-10°	51467.3	61503.2	64946.9	70290.6	64946.9	61503.2	51467.3	39398.6	23372.8	17004.3	13806.5
-12.5°	31152.0	38101.8	39436.6	39575.4	39436.6	38101.8	31152.0	22261.8	17553.9	13958.7	11715.0
-15°	25110.0	30037.3	33617.2	35095.2	33617.2	30037.3	25110.0	19354.5	15189.1	12270.4	10346.9
-17.5°	23225.7	28479.1	32608.0	34261.6	32608.0	28479.1	23225.7	17858.5	13733.4	10811.7	8934.9
-20°	22261.2	27763.0	32240.7	34283.4	32240.7	27763.0	22261.2	16929.6	12613.0	9741.6	7926.7



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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	20913.6	26386.8	30308.4	31919.3	30308.4	26386.8	20913.6	15546.3	11583.5	8978.8	7312.9
-25°	20005.9	24937.0	28550.5	30031.2	28550.5	24937.0	20005.9	15191.0	11619.6	8969.5	7159.5
-27.5°	18722.2	23221.2	26378.7	27564.2	26378.7	23221.2	18722.2	14569.5	11312.0	8650.9	6677.5
-30°	17074.8	20786.5	23568.0	24661.3	23568.0	20786.5	17074.8	13328.1	10148.5	7687.0	5842.7
-32.5°	15256.1	18357.1	20636.5	21557.7	20636.5	18357.1	15256.1	11964.3	9065.2	6805.0	5203.4
-35°	13345.8	15924.4	17794.4	18567.9	17794.4	15924.4	13345.8	10545.8	8068.1	5997.4	4580.3
-37.5°	11514.0	13634.6	15151.1	15792.4	15151.1	13634.6	11514.0	9202.6	7023.7	5252.2	3967.5
-40°	9716.0	11452.3	12652.9	13146.2	12652.9	11452.3	9716.0	7803.1	5993.4	4494.1	3362.2
-42.5°	8140.7	9531.3	10475.9	10888.0	10475.9	9531.3	8140.7	6598.0	5102.9	3867.6	2882.9
-45°	6849.3	7930.1	8676.1	8979.5	8676.1	7930.1	6849.3	5624.7	4437.9	3406.0	2568.8
-47.5°	5718.7	6562.4	7150.2	7393.1	7150.2	6562.4	5718.7	4762.0	3819.1	2967.0	2269.1
-50°	4736.6	5375.9	5824.7	6007.0	5824.7	5375.9	4736.6	3994.2	3254.2	2580.3	2003.2
-52.5°	3840.4	4331.7	4685.3	4834.7	4685.3	4331.7	3840.4	3278.5	2710.6	2187.3	1736.2
-55°	3003.0	3376.4	3670.4	3803.5	3670.4	3376.4	3003.0	2592.4	2173.6	1790.0	1451.9
-57.5°	2254.9	2505.8	2702.3	2796.9	2702.3	2505.8	2254.9	1970.2	1681.9	1409.5	1165.8
-60°	1628.1	1789.4	1910.8	1969.6	1910.8	1789.4	1628.1	1437.2	1236.2	1040.2	858.0
-62.5°	1128.5	1235.3	1308.6	1337.9	1308.6	1235.3	1128.5	1001.1	865.4	730.9	605.1
-65°	789.7	863.0	906.0	922.9	906.0	863.0	789.7	704.0	612.0	519.8	435.8
-67.5°	542.9	588.6	616.5	628.0	616.5	588.6	542.9	487.3	428.6	370.3	315.9
-70°	362.8	389.7	405.8	411.4	405.8	389.7	362.8	330.3	293.2	256.8	222.5
-72.5°	239.9	255.7	266.9	269.9	266.9	255.7	239.9	219.4	196.2	172.8	150.1
-75°	147.7	156.0	162.2	164.7	162.2	156.0	147.7	135.3	122.0	108.4	94.0
-77.5°	78.8	82.8	86.1	88.2	86.1	82.8	78.8	72.4	65.8	58.8	51.4
-80°	31.6	32.3	34.4	34.6	34.4	32.3	31.6	29.1	28.2	25.5	22.9
-82.5°	5.2	5.4	6.8	6.8	6.8	5.4	5.2	5.1	6.6	6.3	5.9
-85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.7	0.7
-87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-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):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.1	2.1	2.0	2.0	1.9	1.9	1.8	1.8	1.7	1.7	1.6
85°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.4	3.3	3.2
82.5°	4.6	4.5	4.4	4.2	4.1	3.9	3.7	3.6	3.6	3.6	3.6
80°	6.8	6.6	6.4	6.3	6.1	5.9	5.7	5.4	5.2	4.9	4.6
77.5°	8.9	8.7	8.5	8.3	8.0	7.8	7.5	7.2	6.9	6.6	6.2
75°	11.0	10.8	10.5	10.2	10.0	9.8	9.5	9.6	9.9	9.1	8.3
72.5°	15.3	14.9	14.3	13.6	12.9	13.1	13.2	12.4	12.8	12.4	11.5
70°	20.3	20.1	19.1	18.5	17.9	17.4	17.1	15.9	16.2	16.1	15.9
67.5°	26.0	25.0	24.2	23.4	23.5	22.3	22.1	20.9	20.9	20.9	20.8
65°	31.6	30.0	28.7	29.1	29.5	28.7	26.6	26.4	26.4	26.3	25.8
62.5°	39.1	37.4	35.7	35.5	35.6	35.5	34.2	33.8	33.5	33.1	31.8
60°	45.8	45.5	44.1	43.8	43.3	42.6	41.9	41.8	41.3	39.9	38.3
57.5°	56.4	55.3	53.5	52.5	52.6	51.3	51.1	49.8	48.6	47.8	45.4
55°	66.3	65.0	64.0	62.7	62.8	61.2	60.6	58.8	57.8	56.9	55.2
52.5°	79.9	78.0	76.1	74.6	73.4	72.7	70.8	70.6	69.6	67.9	65.9
50°	96.5	94.6	92.9	91.1	88.7	88.1	85.6	85.7	84.0	81.1	79.7
47.5°	120.1	119.8	116.9	114.4	113.2	111.5	109.8	107.7	105.6	101.1	100.0
45°	161.5	156.5	154.8	148.5	146.7	143.1	140.7	137.4	134.7	130.7	127.3
42.5°	203.7	196.2	188.9	185.6	180.2	176.4	174.1	169.4	167.8	161.2	155.4
40°	249.0	240.5	230.7	231.9	220.4	215.1	218.3	219.6	225.2	211.9	209.8
37.5°	387.3	389.1	334.5	378.9	379.1	350.2	370.6	388.1	396.3	366.3	342.3
35°	842.8	801.0	817.2	761.4	729.6	685.2	656.6	632.9	613.1	572.0	529.9
32.5°	1331.4	1323.5	1319.8	1291.5	1209.2	1071.4	947.6	866.3	814.7	752.3	692.9
30°	2022.7	1978.4	1945.6	1759.9	1626.2	1440.5	1272.6	1152.0	1046.3	932.8	861.0
27.5°	2456.4	2348.7	2282.0	2007.7	1892.4	1757.1	1576.5	1427.1	1300.3	1167.0	1063.3
25°	2624.2	2484.7	2448.7	2217.6	2116.9	1966.7	1840.5	1683.5	1544.7	1419.3	1294.6
22.5°	2972.7	2861.5	2831.6	2594.7	2410.4	2227.5	2106.6	1964.4	1794.0	1652.8	1548.9
20°	3726.5	3514.5	3337.0	3007.7	2729.5	2545.6	2429.6	2301.4	2089.7	1963.2	1813.4
17.5°	5306.9	4698.5	4162.6	3510.1	3140.7	2915.8	2737.6	2601.6	2455.1	2309.9	2107.0
15°	7398.1	6242.9	5359.9	4517.3	3885.0	3529.6	3264.5	3030.7	2911.6	2755.4	2513.2
12.5°	10564.7	8334.6	7093.7	6084.0	5216.8	4556.3	4102.9	3838.5	3693.6	3528.1	3279.8
10°	13437.6	10656.6	9289.3	7936.3	6728.0	5803.6	4966.8	4627.8	4438.4	4257.1	4196.1
7.5°	17453.1	12978.3	11009.5	9288.5	7741.4	6615.1	5714.9	5218.3	4939.2	4756.1	4727.7
5°	21541.7	15095.2	12365.9	10169.5	8435.1	7246.9	6295.1	5744.8	5309.2	5086.4	5046.3
2.5°	20925.1	15300.4	12704.8	10563.7	8788.1	7659.1	6619.8	5953.6	5513.5	5231.6	5120.2
0°	18752.7	14642.0	12353.5	10359.8	8726.5	7685.3	6691.4	6041.5	5683.0	5305.2	5113.2
-2.5°	17079.9	13756.7	11564.7	9753.3	8268.8	7333.4	6617.4	6105.5	5774.4	5411.3	5135.0
-5°	15375.7	12604.2	10576.6	8877.3	7797.8	7143.9	6559.3	6079.8	5802.8	5453.4	5173.8
-7.5°	13675.2	11317.0	9554.4	8231.7	7542.5	6970.5	6405.4	5935.9	5567.1	5234.7	5056.6
-10°	11716.1	10019.2	8741.2	7712.6	7015.0	6471.4	5935.5	5522.9	5159.1	4842.6	4782.1
-12.5°	10017.3	8595.7	7698.0	6818.1	6250.8	5737.6	5300.7	4973.7	4647.2	4356.8	4303.7
-15°	8817.2	7638.0	6843.9	6083.5	5546.7	5111.2	4719.8	4408.7	4048.8	3752.1	3516.8
-17.5°	7664.4	6874.6	6202.4	5341.9	4896.5	4488.1	4131.6	3794.5	3461.7	3184.6	2952.6
-20°	6908.8	6396.6	5658.7	4921.6	4527.1	4075.6	3679.5	3419.7	3134.0	2843.4	2608.0



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	6335.4	5869.9	5168.6	4547.0	4149.0	3746.4	3408.4	3140.4	2869.5	2585.0	2368.6
-25°	6041.0	5348.1	4577.0	4134.5	3780.5	3427.4	3164.0	2914.6	2724.4	2468.0	2256.1
-27.5°	5641.5	4769.5	4054.6	3699.3	3381.5	3107.9	2975.5	2934.0	2797.0	2569.2	2248.9
-30°	4791.6	3984.6	3504.6	3213.6	3045.7	2958.9	2968.4	2993.3	2833.0	2514.5	2066.3
-32.5°	4173.3	3458.9	3050.9	2861.5	2828.7	2846.3	2926.4	2860.9	2522.1	2056.6	1692.1
-35°	3593.2	3000.5	2694.2	2518.6	2460.7	2391.5	2435.4	2078.8	1820.6	1498.9	1264.6
-37.5°	3057.2	2457.4	2010.3	1820.9	1727.6	1557.3	1456.8	1287.8	1147.3	1002.2	889.6
-40°	2497.8	1972.1	1585.1	1320.6	1168.7	974.0	925.7	827.2	750.1	697.0	646.7
-42.5°	2161.2	1657.0	1273.2	1040.4	863.2	766.6	696.6	629.1	586.0	549.5	510.3
-45°	1932.3	1474.2	1149.3	938.6	789.0	690.1	613.7	557.1	518.3	487.7	454.8
-47.5°	1740.1	1341.4	1055.2	865.7	740.0	650.8	581.8	535.9	499.8	475.9	447.6
-50°	1557.2	1217.9	968.9	797.9	684.6	602.9	544.6	499.8	472.4	442.8	419.6
-52.5°	1371.7	1092.0	883.3	733.7	629.1	554.6	494.2	460.4	426.0	406.2	383.9
-55°	1175.7	961.3	794.2	675.1	590.2	518.3	477.8	434.3	407.9	380.5	359.0
-57.5°	963.4	799.1	672.8	579.2	507.7	452.7	418.5	378.7	361.8	337.9	322.5
-60°	701.3	598.5	507.5	425.6	369.6	338.1	308.0	276.4	264.1	252.6	223.2
-62.5°	499.2	419.0	349.4	289.4	251.8	224.8	191.4	174.6	165.9	140.2	141.8
-65°	364.2	305.0	254.7	214.6	183.2	161.1	141.5	128.0	117.6	107.1	101.5
-67.5°	267.6	226.2	190.5	163.5	141.1	123.5	108.8	97.9	90.7	81.8	76.2
-70°	190.9	162.3	138.1	119.9	104.1	90.9	80.8	73.5	67.4	61.2	55.8
-72.5°	130.3	112.2	97.0	84.5	73.3	64.0	56.8	51.0	47.6	43.8	39.9
-75°	81.6	70.7	62.3	54.9	47.7	41.8	36.9	33.5	31.2	29.1	26.5
-77.5°	46.7	39.9	35.3	31.3	28.0	24.1	21.6	19.4	18.0	17.3	15.8
-80°	19.8	17.4	15.8	13.7	13.1	11.4	10.1	8.8	8.4	8.5	7.8
-82.5°	4.7	4.3	4.0	3.6	3.6	3.0	2.3	1.9	3.1	2.7	2.5
-85°	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.1
-87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-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):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.5	1.4	1.4	1.3	1.2	1.1	1.0	1.0	0.9	0.8	0.7
85°	3.0	2.9	2.7	2.6	2.4	2.2	2.1	1.9	1.7	1.5	1.4
82.5°	3.6	3.6	3.6	3.6	3.6	3.4	3.1	2.8	2.6	2.3	2.1
80°	4.3	4.0	3.7	3.9	4.9	4.5	4.2	3.8	3.4	3.1	2.9
77.5°	6.0	5.5	5.1	5.1	6.1	5.7	5.2	5.0	5.0	4.1	3.7
75°	8.1	8.3	7.4	7.1	7.3	7.2	7.1	6.5	6.7	5.6	4.8
72.5°	11.4	11.2	10.4	9.9	9.6	9.3	9.1	8.6	8.4	7.1	6.0
70°	15.0	14.4	14.0	13.1	12.3	11.7	11.6	10.9	10.0	8.9	7.2
67.5°	19.9	18.7	18.3	16.9	15.7	15.8	14.7	13.9	12.3	10.8	9.2
65°	25.4	23.4	23.4	22.1	21.5	20.6	18.9	17.2	15.4	13.3	11.6
62.5°	30.5	29.5	29.1	27.7	27.4	25.4	23.4	21.0	18.9	16.4	14.1
60°	37.6	36.5	35.4	34.0	33.4	31.3	28.8	25.5	23.2	19.4	16.7
57.5°	44.4	44.2	42.6	40.8	40.1	38.2	35.0	31.3	27.7	23.6	19.4
55°	53.0	52.1	50.5	48.9	46.9	45.0	42.1	37.1	33.1	28.3	22.3
52.5°	63.4	62.4	60.2	58.5	56.1	52.6	49.9	45.0	38.9	33.1	26.9
50°	76.2	75.6	73.3	69.5	66.5	63.3	59.8	53.8	45.9	39.7	31.8
47.5°	96.6	93.4	90.5	86.1	81.7	76.2	71.7	65.3	56.5	46.9	36.8
45°	121.4	117.5	113.0	107.6	101.1	94.0	87.6	79.3	69.3	57.3	44.4
42.5°	149.2	144.4	138.3	131.5	123.4	115.1	107.7	96.0	87.7	75.8	58.4
40°	191.6	176.6	175.9	169.6	157.8	148.1	141.4	130.9	113.7	98.5	75.5
37.5°	301.3	268.7	252.3	248.3	237.3	214.5	189.9	177.0	152.8	125.4	95.3
35°	472.5	427.4	392.4	365.9	341.4	305.4	265.1	236.0	200.0	162.0	120.6
32.5°	641.0	595.4	555.4	509.3	457.1	404.0	347.8	299.9	252.5	202.6	153.0
30°	809.3	764.6	702.1	634.6	562.2	489.8	425.8	363.5	306.7	244.2	188.9
27.5°	995.6	933.9	850.9	761.6	666.7	575.8	504.4	432.0	363.2	292.6	226.2
25°	1202.0	1107.9	997.5	893.4	777.8	684.8	591.8	517.5	426.7	347.9	264.6
22.5°	1421.1	1276.7	1157.1	1030.3	913.1	799.3	703.9	607.3	509.8	409.0	327.4
20°	1629.0	1467.5	1330.2	1189.6	1054.9	932.6	817.7	715.4	594.4	503.8	402.8
17.5°	1851.4	1686.0	1521.8	1382.0	1227.5	1082.4	974.6	829.5	729.6	642.0	484.6
15°	2273.7	2036.4	1890.3	1643.0	1506.5	1339.9	1150.6	1034.8	943.3	790.0	612.0
12.5°	3185.6	2950.2	2507.1	2203.4	1949.6	1642.5	1461.6	1314.4	1165.6	978.4	792.8
10°	4183.4	3946.3	3340.8	2835.8	2430.1	2014.9	1792.5	1586.3	1404.5	1190.2	974.8
7.5°	4821.8	4614.4	3880.8	3403.7	2867.2	2286.2	2023.8	1833.4	1641.0	1397.2	1125.8
5°	5126.5	4915.3	4153.1	3645.7	3035.1	2443.1	2226.5	2038.4	1778.2	1449.3	1135.9
2.5°	5191.2	4957.8	4194.7	3678.5	3048.6	2465.1	2233.7	2046.2	1779.6	1447.9	1140.2
0°	5126.0	4840.2	4052.9	3501.3	2936.1	2435.6	2220.8	2049.6	1776.2	1441.7	1139.5
-2.5°	5059.5	4684.1	3888.2	3303.9	2801.3	2372.5	2138.4	1953.8	1713.3	1412.9	1116.3
-5°	5033.9	4540.1	3748.8	3146.5	2676.6	2301.4	2050.9	1854.0	1647.0	1379.5	1088.6
-7.5°	4900.4	4332.8	3580.8	3007.7	2568.5	2221.1	1966.9	1757.7	1557.3	1325.1	1056.4
-10°	4627.7	4022.2	3340.5	2805.5	2405.9	2096.9	1865.4	1656.1	1447.0	1214.4	968.2
-12.5°	4081.7	3560.6	2954.8	2527.5	2216.5	1927.6	1689.1	1500.5	1323.8	1099.5	865.0
-15°	3311.2	2897.8	2545.1	2239.6	1976.7	1732.6	1506.7	1315.1	1153.8	975.4	758.8
-17.5°	2680.4	2484.2	2226.8	2001.4	1772.3	1532.0	1349.0	1157.6	985.2	845.8	665.2
-20°	2394.0	2215.8	2013.5	1812.5	1605.3	1402.7	1203.0	1045.2	874.5	720.0	588.0



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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2185.9	2011.4	1837.1	1652.8	1485.4	1294.0	1126.5	945.6	809.1	646.0	517.8
-25°	2061.4	1858.9	1684.2	1532.7	1386.5	1224.9	1057.1	908.2	752.4	621.2	463.0
-27.5°	1942.2	1710.0	1533.5	1408.2	1286.1	1160.9	1005.4	879.0	733.5	599.2	442.5
-30°	1751.6	1520.8	1353.3	1248.3	1169.2	1050.6	950.6	827.8	701.3	560.6	414.9
-32.5°	1440.7	1271.8	1151.9	1061.6	986.5	918.2	840.3	737.6	644.9	492.9	379.8
-35°	1098.8	996.3	911.2	845.1	786.2	739.9	687.2	618.9	520.3	413.0	327.9
-37.5°	813.7	744.6	685.6	645.5	603.4	558.5	519.7	472.6	401.5	328.7	263.7
-40°	600.0	558.0	522.4	487.2	449.1	414.1	391.9	357.5	304.5	264.9	210.9
-42.5°	471.0	452.2	424.6	399.6	371.3	339.4	303.9	275.2	247.4	212.3	167.6
-45°	435.6	413.1	385.6	357.3	330.4	302.9	266.6	241.1	208.4	171.1	135.0
-47.5°	420.8	395.4	367.0	340.1	307.9	279.5	242.3	211.7	180.8	148.0	117.3
-50°	397.1	375.7	348.5	323.2	290.1	250.3	215.6	185.4	156.8	129.8	103.9
-52.5°	367.7	348.9	325.9	303.7	267.7	222.5	188.7	162.5	137.3	111.9	91.2
-55°	346.6	323.8	307.7	280.4	247.8	202.5	166.9	140.0	118.9	97.7	79.3
-57.5°	307.0	292.1	258.4	241.0	204.3	174.3	143.1	119.2	100.6	83.2	67.5
-60°	220.9	200.1	182.5	172.8	152.7	136.0	114.2	97.5	80.1	68.5	54.8
-62.5°	135.7	126.6	120.5	116.4	101.7	98.1	79.3	75.5	58.4	54.2	42.1
-65°	95.9	85.7	83.4	74.0	69.9	65.0	57.9	53.8	45.9	41.1	34.2
-67.5°	71.3	66.1	61.2	56.5	52.2	48.4	44.3	40.6	35.9	31.4	26.4
-70°	52.8	49.6	45.1	41.8	39.0	35.6	33.4	30.4	27.2	23.7	19.1
-72.5°	37.2	35.0	32.1	29.6	27.9	25.8	23.3	22.3	19.9	16.5	14.7
-75°	24.9	23.2	21.5	20.5	18.8	17.5	16.5	15.1	13.6	11.8	10.3
-77.5°	15.5	14.6	13.0	12.1	11.4	10.7	10.3	10.2	9.0	7.2	6.8
-80°	8.3	7.4	5.8	5.2	5.7	5.7	6.1	6.3	5.1	4.5	4.6
-82.5°	3.8	3.3	2.8	2.4	1.9	1.7	2.8	4.0	3.4	2.9	2.5
-85°	1.2	1.1	0.9	0.8	0.6	0.5	0.6	2.0	1.7	1.5	1.4
-87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.9	0.8	0.7
-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):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.2	1.0	0.8	0.6	0.4	0.2	0.0
85°	2.3	1.9	1.6	1.2	0.8	0.4	0.0
82.5°	3.5	2.9	2.3	1.8	1.2	0.6	0.0
80°	4.1	3.7	3.1	2.3	1.6	0.8	0.0
77.5°	4.8	4.3	3.7	2.9	1.9	1.0	0.0
75°	5.3	4.8	4.1	3.5	2.3	1.2	0.0
72.5°	6.0	5.2	4.5	3.9	2.7	1.4	0.0
70°	6.8	6.0	4.9	4.2	3.1	1.5	0.0
67.5°	7.7	7.1	5.3	4.6	3.4	1.7	0.0
65°	9.2	8.3	6.1	5.0	3.8	1.9	0.0
62.5°	11.1	9.5	7.1	5.4	4.2	2.1	0.0
60°	12.9	11.0	8.1	5.9	4.5	2.2	0.0
57.5°	14.6	12.8	9.2	6.4	4.9	2.4	0.0
55°	17.7	14.7	10.1	7.6	5.2	2.6	0.0
52.5°	21.1	16.7	11.2	8.7	5.5	2.7	0.0
50°	24.5	18.7	13.1	10.0	5.8	2.9	0.0
47.5°	28.2	22.1	15.2	11.3	6.1	3.0	0.0
45°	34.5	26.1	18.3	12.7	6.4	3.2	0.0
42.5°	41.7	30.6	21.6	14.1	6.7	3.3	0.0
40°	51.7	35.8	25.2	16.0	7.0	3.4	0.0
37.5°	65.6	41.4	29.2	18.5	7.2	3.6	0.0
35°	85.0	53.1	35.0	22.2	8.3	3.7	0.0
32.5°	107.9	68.9	42.1	26.8	9.7	3.9	0.0
30°	132.0	85.6	49.7	31.8	11.2	4.1	0.0
27.5°	162.0	103.2	62.5	37.1	13.0	4.2	0.0
25°	195.3	121.4	76.8	42.8	14.8	4.4	0.0
22.5°	230.2	145.8	92.0	48.7	16.6	4.5	0.0
20°	268.5	186.0	108.0	54.8	18.5	4.7	0.0
17.5°	352.4	229.0	124.5	61.7	20.3	4.8	0.0
15°	465.7	277.5	141.3	69.0	22.1	4.9	0.0
12.5°	583.6	332.4	158.4	76.3	23.9	5.0	0.0
10°	704.3	379.9	175.5	83.5	25.5	5.1	0.0
7.5°	758.5	417.0	192.2	90.5	27.1	5.2	0.0
5°	785.4	450.4	208.4	97.3	28.5	5.3	0.0
2.5°	807.2	480.3	223.9	103.7	29.8	5.4	0.0
0°	824.6	507.0	238.5	109.6	30.9	5.4	0.0
-2.5°	802.5	492.0	230.6	106.6	30.7	5.5	0.0
-5°	776.7	474.1	221.8	103.1	30.3	5.6	0.0
-7.5°	747.2	453.5	212.1	99.1	29.7	5.7	0.0
-10°	703.3	430.5	201.6	94.8	28.9	5.7	0.0
-12.5°	624.1	395.6	190.5	90.1	28.1	5.7	0.0
-15°	543.7	348.5	178.4	85.1	27.1	5.7	0.0
-17.5°	462.7	304.0	164.6	79.9	26.0	5.7	0.0
-20°	399.4	263.2	150.7	74.6	24.8	5.6	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	370.9	225.0	137.0	69.0	23.5	5.6	0.0
-25°	345.3	205.7	123.4	63.4	22.2	5.5	0.0
-27.5°	320.8	191.4	110.1	57.8	20.8	5.4	0.0
-30°	295.2	174.7	97.5	52.3	19.4	5.2	0.0
-32.5°	259.3	155.5	87.8	46.8	17.7	5.1	0.0
-35°	218.9	133.7	78.1	41.5	15.9	4.9	0.0
-37.5°	178.1	112.9	69.3	37.0	14.4	4.7	0.0
-40°	145.4	99.3	62.8	34.0	13.8	4.6	0.0
-42.5°	120.9	86.9	56.5	31.1	13.2	4.5	0.0
-45°	102.4	75.7	50.4	28.4	12.5	4.4	0.0
-47.5°	85.9	65.9	44.4	25.7	11.8	4.2	0.0
-50°	77.0	57.4	38.9	23.0	11.0	4.1	0.0
-52.5°	69.0	51.0	33.5	20.3	10.2	3.9	0.0
-55°	60.8	44.9	29.7	17.6	9.4	3.7	0.0
-57.5°	51.9	38.7	26.2	14.8	8.6	3.5	0.0
-60°	43.8	32.4	22.6	13.4	7.8	3.3	0.0
-62.5°	35.9	27.0	19.0	12.1	6.9	3.0	0.0
-65°	28.1	22.5	15.3	10.8	6.0	2.8	0.0
-67.5°	21.9	18.0	12.4	9.4	5.3	2.6	0.0
-70°	17.3	13.5	10.4	8.0	4.7	2.3	0.0
-72.5°	12.8	10.3	8.5	6.6	4.1	2.0	0.0
-75°	8.9	8.2	6.5	5.3	3.6	1.8	0.0
-77.5°	6.5	6.2	4.5	4.5	3.0	1.5	0.0
-80°	4.1	4.2	3.2	3.6	2.4	1.2	0.0
-82.5°	1.8	2.9	2.4	2.7	1.8	0.9	0.0
-85°	1.2	1.9	1.6	1.8	1.2	0.6	0.0
-87.5°	0.6	1.0	0.8	0.9	0.6	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)