

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: P413578 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-0640L-40-80-2S-VHE**

Issue Date: 10/30/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P413578 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/30/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-08-0640L-40-80-2S-VHE  
Description: EPHESUS LUMASPORT 8 LUMINAIRE  
(8) 4000K, 80 CRI LEDS AND 2S BEAM SHAPE  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	79850.4 lumens	Max Intensity:	456848.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	119.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		

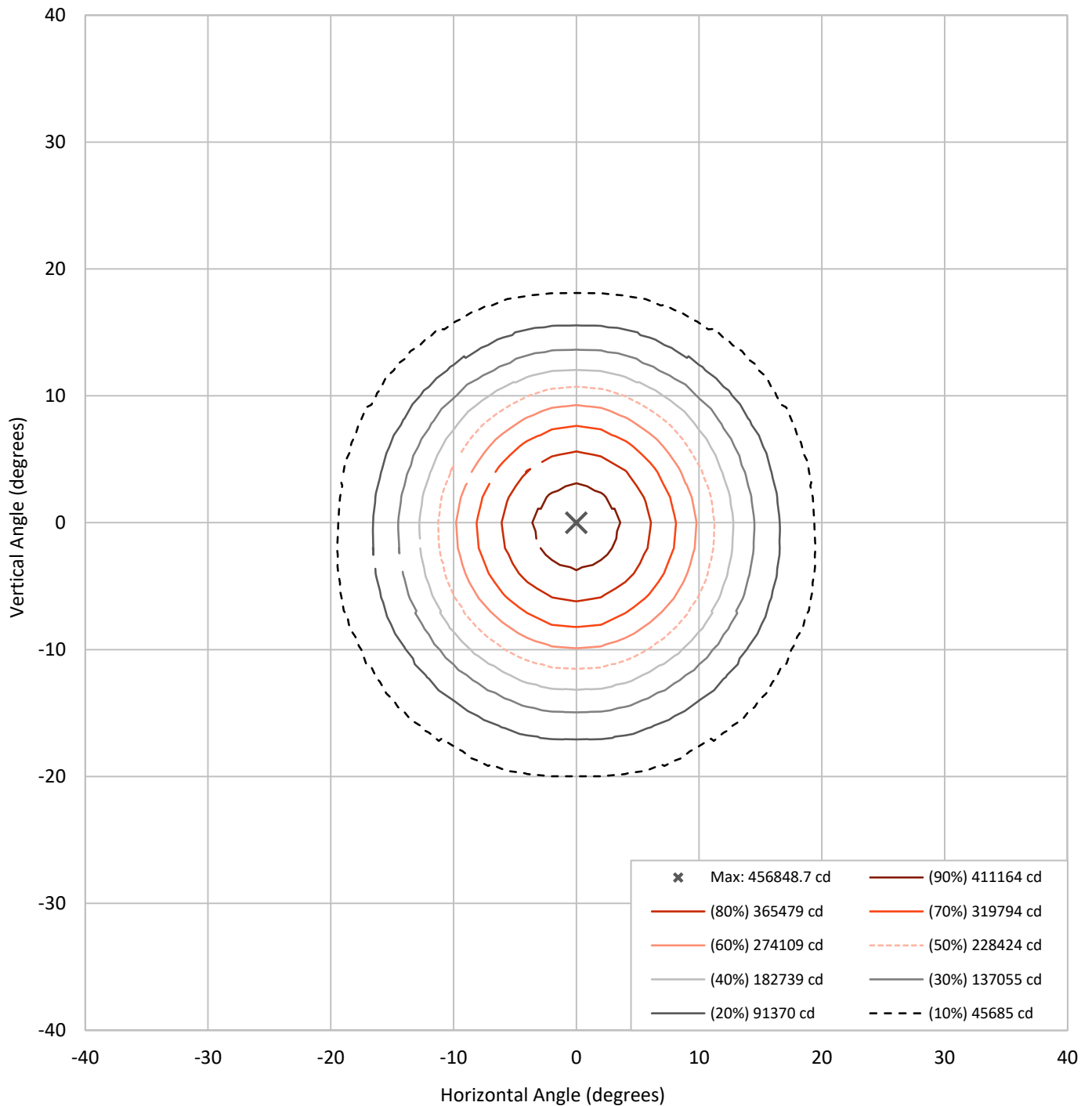
Beam Angle (50%):	22.5°H x 22.2°V	Field Angle (10%):	38.8°H x 38.1°V
Beam Lumens:	37312.8 lumens	Field Lumens:	66471.9 lumens
Beam Efficiency:	46.7%	Field Efficiency:	83.2%

Input Watts (W): 667  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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CATALOG NUMBER: EPH-08-0640L-40-80-2S-VHE

### Iso-Candela Plot





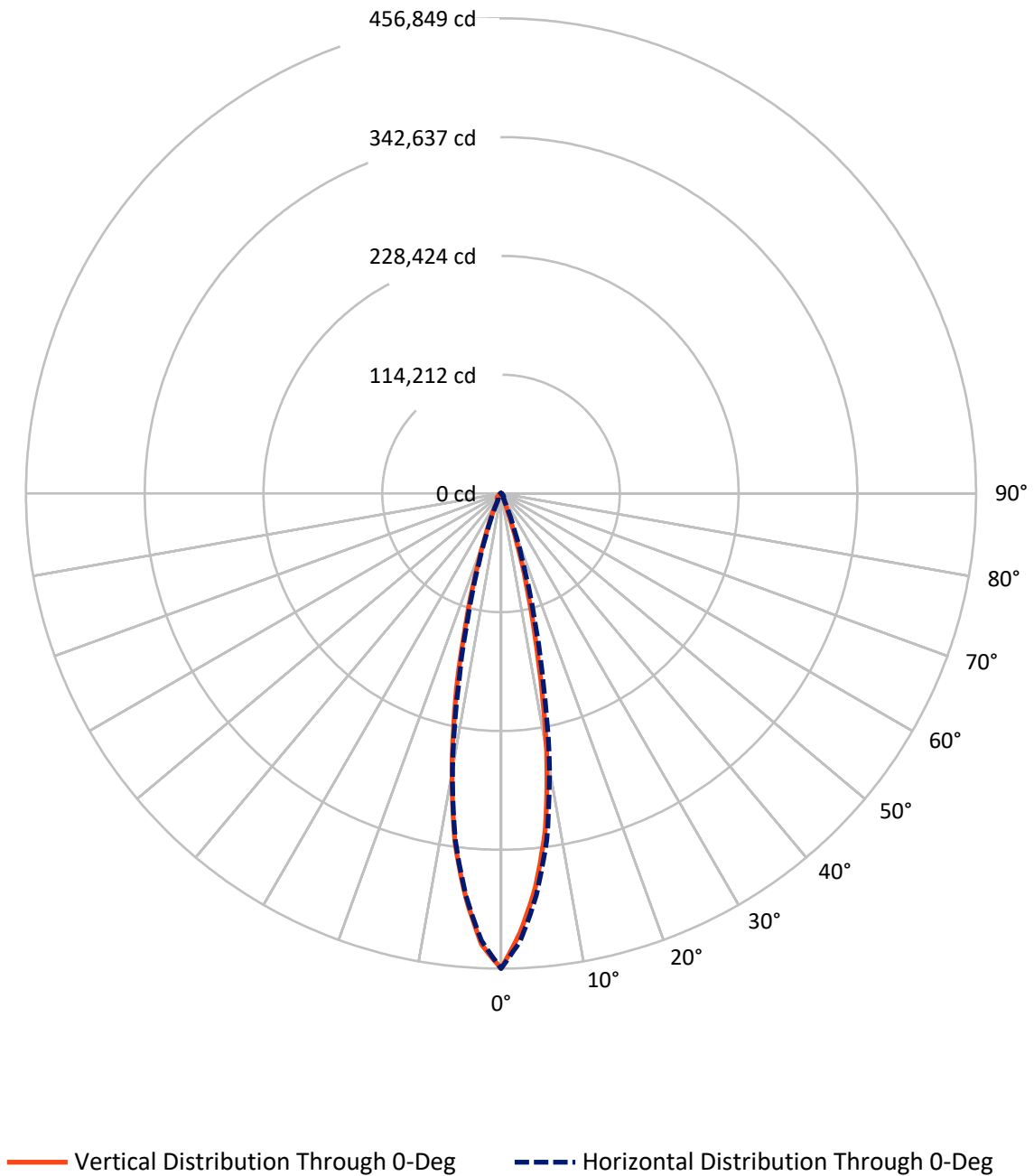
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### Lumen Table

90	0.2	0.6	1.2	1.7	2.1	1.7	1.2	0.6	0.2										
80	0.2	0.6	1.2	1.7	2.1	1.7	1.2	0.6	0.2										
70	0.2	0.1	0.2	0.6	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.6	0.2	0.1	0.2			
60		0.3	0.7	0.9	0.8	0.7	0.8	0.9	0.9	0.8	0.7	0.8	0.9	0.7	0.3				
50	0.6	1.0	2.4	4.8	8.4	13.8	21.1	24.8	24.8	21.1	13.8	8.4	4.8	2.4	1.0	0.6			
40		2.4	7.9	15.2	29.7	51.8	62.9	69.7	69.7	62.9	51.8	29.7	15.2	7.9	2.4				
30	1.6	4.3	13.0	27.8	67.8	78.9	108.9	198.9	198.9	108.9	78.9	67.8	27.8	13.0	4.3	1.6			
20		5.7	17.0	48.6	95.7	140.6	891.6	2875.8	2875.8	891.6	140.6	95.7	48.6	17.0	5.7				
10	2.3	6.9	19.6	63.5	109.6	314.3	3158.7	9495.5	9495.5	3158.7	314.3	109.6	63.5	19.6	6.9	2.3			
0		7.6	21.6	67.1	120.6	360.4	3440.0	9874.9	9874.9	3440.0	360.4	120.6	67.1	21.6	7.6				
-10	2.5	7.6	22.5	64.6	126.9	206.3	1260.7	3693.3	3693.3	1260.7	206.3	126.9	64.6	22.5	7.6	2.5			
-20		7.0	22.1	49.4	119.6	164.0	227.8	455.7	455.7	227.8	164.0	119.6	49.4	22.1	7.0				
-30	2.1	6.0	19.4	38.7	83.6	147.3	172.5	180.9	180.9	172.5	147.3	83.6	38.7	19.4	6.0	2.1			
-40		4.6	14.7	31.3	49.9	76.7	116.6	146.4	146.4	116.6	76.7	49.9	31.3	14.7	4.6				
-50	1.6	3.0	9.3	20.5	34.9	47.3	56.4	62.3	62.3	56.4	47.3	34.9	20.5	9.3	3.0	1.6			
-60		2.0	4.7	10.3	17.8	25.0	31.5	35.4	35.4	31.5	25.0	17.8	10.3	4.7	2.0				
-70	1.2	7.3	17.7	29.6	36.2	29.6	17.7	7.3	1.2							1.2			
-80		7.3	17.7	29.6	36.2	29.6	17.7	7.3	1.2										
-90	1.2	7.3	17.7	29.6	36.2	29.6	17.7	7.3	1.2										
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90
	Horizontal Angle (degrees)																		

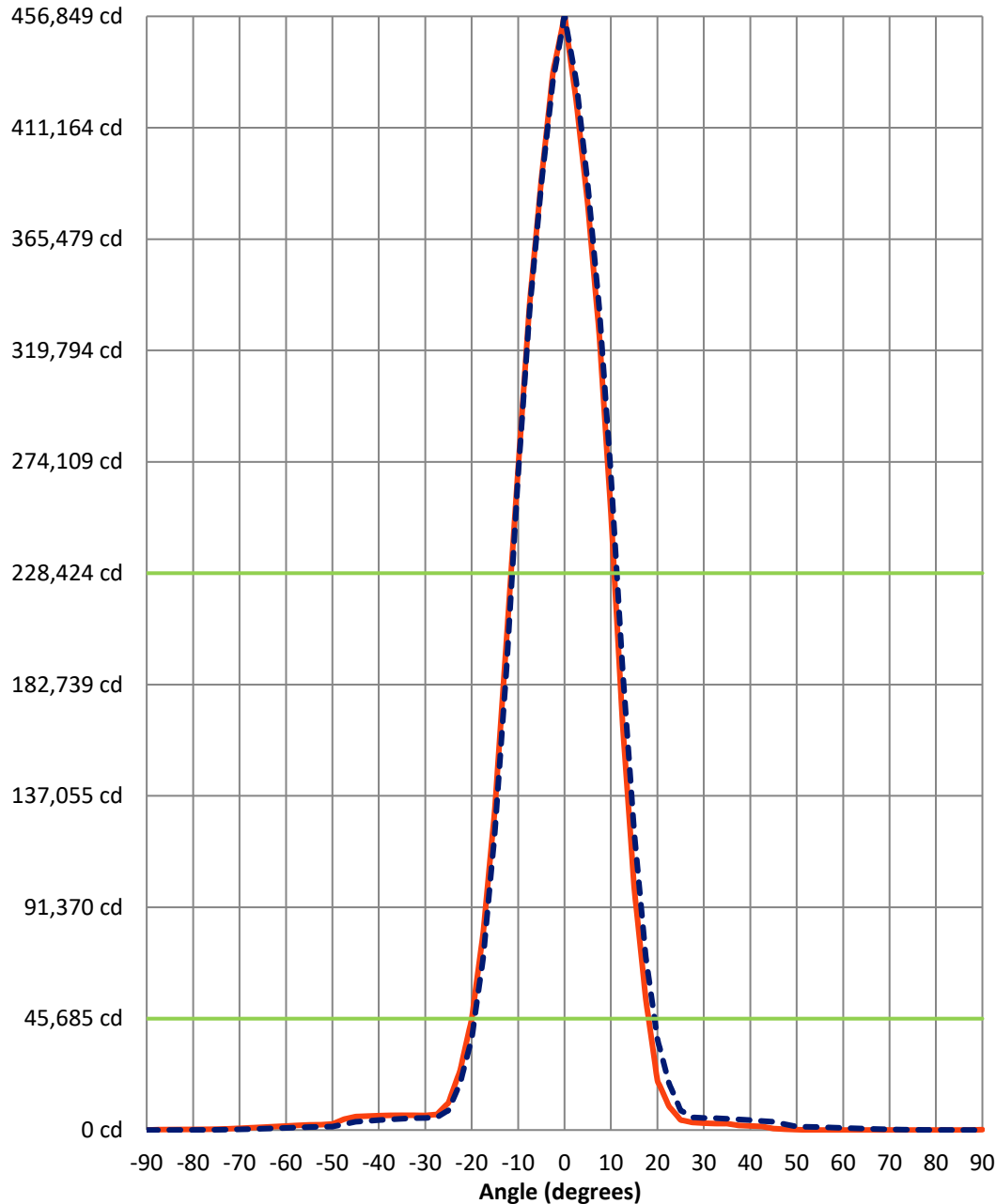
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 22.5°  
 V Angle: 22.2°  
 Lumens: 37312.8  
 Efficiency: 46.7%

**Field:**  
 H Angle: 38.8°  
 V Angle: 38.1°  
 Lumens: 66471.9  
 Efficiency: 83.2%

**Spill:**  
 Lumens: 13378.5  
 Efficiency: 16.8%

— Vertical Distribution through 0-Deg  
 - - Horizontal Distribution through 0-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°	4.7	9.8	14.9	25.6	36.4	45.7	55.0	62.0	69.0	74.6	80.2
87.5°	4.7	4.8	4.9	4.9	4.9	4.9	4.9	4.8	4.7	4.7	4.7
85°	4.7	4.9	5.0	5.1	5.0	5.1	5.2	5.0	4.7	4.7	4.7
82.5°	4.7	5.1	5.2	5.2	5.2	5.3	5.4	5.1	4.8	4.9	4.9
80°	4.7	5.2	5.3	5.4	5.3	5.5	5.6	5.5	5.4	5.4	5.4
77.5°	4.7	5.3	5.5	5.6	5.5	5.7	5.9	5.9	6.0	6.0	5.8
75°	4.7	5.4	5.7	5.8	5.7	6.0	6.1	6.2	6.5	6.4	6.2
72.5°	4.7	5.5	5.8	6.0	6.1	6.3	6.4	6.6	6.9	6.8	6.6
70°	4.7	5.7	6.0	6.2	6.4	6.7	6.7	7.1	7.3	7.3	7.2
67.5°	4.7	5.8	6.2	6.4	6.7	7.0	7.3	7.6	7.8	7.9	7.8
65°	4.7	5.9	6.4	6.7	7.1	7.5	7.9	8.1	8.7	8.6	8.6
62.5°	4.7	6.0	6.6	6.9	7.4	8.0	8.5	9.1	9.8	9.6	10.0
60°	4.7	6.1	6.8	7.2	7.7	8.6	9.1	10.4	11.0	11.5	11.7
57.5°	4.7	6.3	7.0	7.4	8.3	9.2	10.6	11.9	13.3	13.9	15.6
55°	4.7	6.4	7.3	7.7	9.0	9.8	12.3	13.6	16.0	17.3	21.0
52.5°	4.7	6.5	7.6	7.9	9.7	10.6	14.2	16.5	18.9	23.8	26.8
50°	4.7	6.6	7.9	8.1	10.5	12.5	16.2	19.7	23.2	30.9	38.4
47.5°	4.7	6.7	8.3	8.4	11.2	14.6	18.4	23.0	30.4	38.6	52.1
45°	4.7	6.8	8.6	9.1	12.1	16.7	21.4	26.4	38.3	52.4	67.1
42.5°	4.7	7.0	9.0	9.7	13.0	18.9	24.4	32.2	46.7	67.2	91.2
40°	4.7	7.1	9.4	10.7	14.3	21.1	27.6	39.8	57.5	83.0	118.6
37.5°	4.7	7.2	9.8	11.8	16.0	23.4	31.1	47.8	72.9	103.5	147.9
35°	4.7	7.3	10.3	12.9	17.8	26.0	34.7	56.0	89.1	130.9	180.8
32.5°	4.7	7.4	10.7	14.1	19.5	28.9	39.3	64.5	106.1	158.7	215.7
30°	4.7	7.5	11.2	15.3	21.3	31.7	46.2	74.3	123.6	186.9	248.9
27.5°	4.7	7.6	11.7	16.5	23.5	34.6	53.0	87.2	141.6	215.2	280.4
25°	4.7	7.7	12.2	17.8	25.8	37.4	59.8	99.5	160.5	242.1	310.3
22.5°	4.7	7.8	12.7	19.1	28.0	40.2	66.3	111.0	177.9	260.3	342.6
20°	4.7	7.9	13.2	20.4	30.1	43.3	72.7	121.8	193.8	277.2	367.8
17.5°	4.7	8.0	13.7	21.6	32.1	46.2	78.6	131.7	208.2	292.7	391.7
15°	4.7	8.0	14.2	22.9	34.1	48.9	83.8	140.5	221.0	306.7	414.5
12.5°	4.7	8.1	14.6	24.2	35.9	51.6	88.6	148.0	233.1	319.3	436.2
10°	4.7	8.2	15.1	25.4	37.7	54.1	92.9	154.7	244.7	334.9	458.5
7.5°	4.7	8.2	15.6	26.6	39.4	56.4	96.8	160.5	255.0	350.1	484.0
5°	4.7	8.3	16.0	27.7	41.0	58.6	100.1	165.4	264.1	364.0	507.4
2.5°	4.7	8.4	16.4	28.8	42.4	60.6	103.0	169.4	271.7	376.3	528.3
0°	4.7	8.4	16.8	29.8	43.8	62.5	105.4	172.5	277.8	386.9	546.4
-2.5°	4.7	8.8	17.7	31.1	45.7	65.1	108.8	178.8	286.3	398.1	555.9
-5°	4.7	9.1	18.5	32.3	47.5	67.5	111.6	184.0	293.0	407.2	562.2
-7.5°	4.7	9.5	19.3	33.5	49.2	69.7	113.9	188.1	297.9	414.1	565.6
-10°	4.7	9.8	20.1	34.6	50.8	71.7	115.6	190.9	300.8	418.7	566.2
-12.5°	4.7	10.1	20.8	35.6	52.2	73.4	116.8	192.4	301.7	420.5	565.6
-15°	4.7	10.4	21.5	36.5	53.4	75.0	117.4	192.4	299.5	417.2	561.6
-17.5°	4.7	10.7	22.1	37.3	54.6	76.2	117.4	190.4	294.0	411.3	553.3
-20°	4.7	11.0	22.7	38.0	55.5	77.3	116.9	186.8	286.6	403.0	540.4



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 CATALOG NUMBER: EPH-08-0640L-40-80-2S-VHE

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.7	11.2	23.2	38.6	56.3	78.1	116.0	182.0	277.3	392.1	523.2
-25°	4.7	11.5	23.6	39.2	57.0	78.8	114.4	175.9	266.2	378.6	506.3
-27.5°	4.7	11.7	24.0	39.6	57.5	79.3	112.1	168.6	253.2	367.6	494.4
-30°	4.7	11.9	24.3	40.0	57.8	79.5	109.2	160.0	242.9	355.2	479.5
-32.5°	4.7	12.1	24.6	40.3	58.2	79.5	105.5	154.7	234.2	340.0	461.5
-35°	4.7	12.2	24.8	40.4	58.5	79.3	104.0	150.1	223.3	322.2	440.1
-37.5°	4.7	12.3	24.9	40.5	58.6	79.0	103.4	144.8	210.3	301.7	417.0
-40°	4.7	12.4	24.9	40.5	58.6	79.0	102.5	138.3	195.1	283.1	391.1
-42.5°	4.7	12.5	24.9	40.4	58.6	78.7	101.3	130.6	183.6	263.3	361.7
-45°	4.7	12.6	24.8	40.4	58.5	78.3	99.7	124.7	173.3	240.7	329.9
-47.5°	4.7	12.6	24.7	40.2	58.3	77.7	97.7	122.3	161.5	215.9	301.4
-50°	4.7	12.6	24.5	40.0	58.0	76.8	96.4	119.5	148.1	200.5	270.0
-52.5°	4.7	12.6	24.2	39.8	57.5	75.8	95.0	116.2	141.1	183.5	236.5
-55°	4.7	12.6	23.8	39.4	56.8	74.8	93.4	112.6	136.6	165.0	214.0
-57.5°	4.7	12.5	23.4	38.8	56.0	73.5	91.5	110.4	131.6	156.1	190.4
-60°	4.7	12.4	22.9	38.2	55.0	72.1	89.4	107.8	126.6	149.7	171.0
-62.5°	4.7	12.3	22.6	37.5	54.0	70.4	87.2	104.8	122.9	142.4	162.2
-65°	4.7	12.1	22.1	36.7	52.7	68.5	84.7	101.5	118.8	136.3	152.9
-67.5°	4.7	12.0	21.6	35.7	51.4	66.5	81.9	98.1	114.4	130.5	145.2
-70°	4.7	11.8	21.1	34.7	49.9	64.3	79.0	94.4	110.0	124.2	138.0
-72.5°	4.7	11.6	20.4	33.8	48.3	62.0	75.9	90.4	105.4	118.4	130.6
-75°	4.7	11.4	19.8	32.9	46.5	59.5	72.8	86.4	100.6	112.3	123.5
-77.5°	4.7	11.2	19.0	31.8	45.0	56.9	69.4	82.1	95.2	105.9	116.2
-80°	4.7	10.9	18.3	30.7	43.5	54.7	65.9	77.5	89.6	99.0	108.3
-82.5°	4.7	10.7	17.5	29.6	41.9	52.6	63.2	73.3	83.8	91.9	100.1
-85°	4.7	10.4	16.7	28.3	40.1	50.4	60.6	69.6	78.9	85.8	92.6
-87.5°	4.7	10.1	15.8	27.0	38.3	48.1	57.8	65.9	74.0	80.3	86.4
-90°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7





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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°	84.4	88.6	92.3	96.0	100.2	104.4	109.1	113.7	118.4	123.1	126.8
87.5°	4.4	4.2	4.2	4.3	4.0	3.7	3.7	3.7	3.3	2.8	2.8
85°	4.7	4.7	4.7	4.7	4.3	4.0	3.9	3.7	3.5	3.3	3.3
82.5°	5.0	5.1	5.0	4.7	4.6	4.6	4.3	3.9	3.9	4.0	3.9
80°	5.5	5.6	5.3	5.0	4.9	4.7	4.6	4.5	4.6	4.7	4.4
77.5°	5.8	5.7	5.5	5.5	5.3	5.0	5.0	5.2	5.1	4.8	4.7
75°	6.0	5.7	5.7	5.7	5.5	5.5	5.6	5.6	5.4	5.3	5.2
72.5°	6.4	6.2	6.1	5.8	5.8	5.7	5.6	5.6	6.5	7.8	8.8
70°	6.9	6.7	6.6	6.4	6.2	6.2	7.4	9.5	11.8	13.6	16.0
67.5°	7.5	7.4	7.2	7.1	7.6	8.7	10.4	16.5	22.8	25.0	26.1
65°	8.3	8.2	8.2	8.7	9.2	14.0	20.2	27.4	35.1	36.6	35.1
62.5°	9.4	10.4	10.2	11.7	15.9	21.7	29.5	37.8	46.6	44.6	37.2
60°	12.9	13.5	15.0	18.6	23.4	29.9	38.6	42.1	45.8	46.5	36.1
57.5°	17.4	19.3	22.8	26.5	33.0	36.6	37.9	38.0	43.2	43.6	33.1
55°	24.1	27.4	32.8	37.2	41.3	37.3	37.3	40.8	42.6	39.4	29.4
52.5°	34.7	38.2	46.5	49.9	47.7	44.3	43.5	46.5	44.8	40.0	34.0
50°	46.5	56.4	61.9	64.6	59.4	58.8	54.1	56.8	58.5	55.9	58.4
47.5°	65.4	77.5	82.0	86.0	81.7	86.3	81.8	95.1	95.4	128.3	132.1
45°	88.4	104.8	110.0	119.5	126.7	130.9	156.9	158.7	228.4	255.8	314.5
42.5°	115.4	136.7	155.3	160.0	203.9	224.9	261.6	329.0	393.3	448.7	480.1
40°	149.9	172.7	211.5	254.9	304.8	354.0	408.8	487.8	555.7	585.6	601.5
37.5°	187.9	231.6	283.3	355.8	430.0	486.5	551.6	625.9	671.1	686.9	690.5
35°	228.6	291.6	378.1	454.3	533.8	609.7	670.4	741.4	756.5	769.2	839.1
32.5°	278.1	351.5	453.6	539.0	619.6	706.5	767.9	809.8	834.0	880.2	1108.1
30°	327.8	413.9	514.9	605.7	699.6	782.2	840.7	881.5	909.1	1127.1	1600.3
27.5°	368.6	467.5	567.8	673.3	777.2	860.0	916.2	953.4	1114.3	1475.5	2204.2
25°	405.6	509.6	620.9	748.2	857.3	934.0	991.7	1028.4	1388.3	2126.0	2631.4
22.5°	440.4	550.4	680.8	827.2	937.1	1002.2	1057.6	1257.0	1802.1	2785.2	3057.0
20°	474.3	599.3	745.9	894.1	1011.9	1060.1	1118.3	1513.3	2334.2	3038.9	3336.6
17.5°	509.4	649.5	807.3	945.6	1050.9	1111.7	1205.0	1761.8	2783.5	3261.0	3476.4
15°	544.6	696.9	857.3	990.9	1089.2	1162.3	1403.1	2117.9	3061.9	3505.1	3708.0
12.5°	579.1	738.4	894.9	1029.7	1129.4	1210.2	1584.5	2486.0	3313.4	3744.8	4013.3
10°	612.3	774.3	927.1	1067.2	1168.8	1256.8	1767.6	2846.0	3540.5	3901.1	4126.2
7.5°	641.2	803.6	954.9	1103.2	1205.6	1302.4	1968.4	3084.7	3637.2	4000.3	4183.3
5°	666.0	826.6	983.1	1143.3	1243.7	1344.5	2150.9	3242.2	3673.9	4061.6	4243.1
2.5°	686.8	845.2	1007.4	1180.9	1281.3	1380.1	2278.6	3342.0	3698.9	4085.1	4301.9
0°	<b>703.9</b>	<b>859.6</b>	<b>1027.5</b>	<b>1214.0</b>	<b>1315.6</b>	<b>1411.6</b>	<b>2373.8</b>	<b>3390.1</b>	<b>3707.1</b>	<b>4076.3</b>	<b>4357.0</b>
-2.5°	715.0	880.7	1064.7	1245.9	1343.7	1438.1	2369.9	3418.4	3717.3	4123.4	4570.1
-5°	722.4	897.1	1096.0	1272.7	1369.1	1461.3	2329.4	3397.8	3739.8	4195.0	4709.3
-7.5°	726.2	908.1	1120.0	1294.4	1393.1	1487.4	2279.3	3350.0	3854.7	4342.2	4796.7
-10°	727.4	914.7	1124.9	1304.9	1415.3	1513.1	2196.7	3249.5	3945.4	4403.8	4822.1
-12.5°	732.2	917.8	1122.3	1309.1	1434.3	1536.6	2094.7	3183.0	4067.4	4441.8	4812.9
-15°	731.8	916.6	1114.8	1307.9	1457.4	1568.0	1959.1	3026.0	4141.7	4450.4	4788.1
-17.5°	725.6	911.4	1103.4	1303.4	1479.4	1591.5	1767.7	2702.9	3929.3	4412.6	4758.8
-20°	713.4	899.9	1087.2	1289.3	1491.6	1613.2	1744.9	2420.0	3492.1	4312.9	4703.6



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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°	695.9	883.2	1067.5	1265.6	1485.8	1637.9	1760.8	2144.9	3060.3	4165.0	4614.2
-25°	675.5	859.8	1044.7	1252.8	1477.3	1661.4	1764.2	1889.2	2684.6	3675.3	4460.0
-27.5°	652.9	830.9	1019.6	1225.6	1463.9	1657.1	1762.8	1880.9	2284.6	3072.8	4214.6
-30°	626.7	798.5	984.9	1186.2	1416.7	1612.6	1758.6	1856.3	1979.6	2600.4	3574.1
-32.5°	597.7	761.8	943.7	1141.6	1356.0	1562.7	1734.2	1836.6	1944.8	2157.4	2942.2
-35°	569.3	726.4	898.3	1090.2	1294.0	1495.1	1670.6	1815.8	1906.7	2026.3	2384.5
-37.5°	542.9	686.7	848.4	1034.0	1231.2	1411.1	1600.9	1758.3	1882.7	1969.4	2114.3
-40°	512.4	642.3	797.4	971.1	1148.3	1319.5	1500.1	1677.1	1829.9	1944.0	2030.4
-42.5°	478.1	602.3	742.5	896.8	1060.6	1223.6	1394.3	1569.6	1737.4	1887.8	1994.9
-45°	440.9	557.6	683.8	823.8	969.2	1124.5	1287.0	1453.0	1619.5	1785.4	1917.5
-47.5°	397.8	508.3	628.1	745.9	879.9	1022.6	1173.7	1329.7	1483.7	1643.8	1795.8
-50°	353.0	455.2	564.5	673.3	789.5	918.6	1056.9	1202.6	1348.7	1496.5	1643.0
-52.5°	312.4	397.2	498.0	600.5	703.2	813.5	938.8	1071.7	1209.5	1348.9	1477.1
-55°	269.0	345.4	428.2	524.2	620.6	716.5	818.3	938.6	1063.4	1192.8	1307.7
-57.5°	235.6	293.1	364.5	443.9	533.6	624.4	713.6	804.0	915.6	1030.6	1127.2
-60°	207.9	249.4	304.1	371.2	442.6	526.5	610.4	694.4	780.6	863.0	952.3
-62.5°	182.5	216.4	254.9	301.7	363.8	428.6	503.1	580.4	659.4	730.4	796.0
-65°	171.6	187.8	216.7	251.8	287.3	342.7	402.4	463.3	531.8	594.6	653.8
-67.5°	160.1	175.1	190.1	208.6	240.5	273.2	306.2	360.0	413.6	462.3	510.6
-70°	150.8	162.4	175.7	189.1	202.9	221.7	251.1	281.6	312.0	345.6	386.3
-72.5°	141.8	152.1	162.7	173.2	185.5	198.5	212.0	225.7	246.8	272.6	295.9
-75°	133.1	141.7	151.2	160.8	170.6	180.4	191.3	204.0	216.6	229.2	241.0
-77.5°	124.6	132.5	140.4	148.6	157.0	165.7	175.3	185.3	195.7	206.1	215.2
-80°	115.8	123.2	130.0	137.0	144.5	152.1	160.1	168.3	177.4	186.9	195.1
-82.5°	106.3	112.4	118.6	124.8	131.7	138.7	145.5	152.4	159.9	167.6	174.4
-85°	97.2	101.5	106.9	112.2	118.4	124.6	130.4	136.2	142.8	149.3	154.6
-87.5°	90.8	95.1	99.3	103.5	108.4	113.3	118.2	122.9	128.3	133.8	137.9
-90°	4.2	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.3	2.8	2.8



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	130.5	133.3	136.1	137.5	138.9	141.7	144.5	148.7	152.9	157.6	162.2
87.5°	2.8	2.8	2.8	2.7	2.7	2.3	1.9	1.9	1.9	1.9	1.9
85°	3.4	3.4	3.5	3.2	2.8	2.7	2.7	2.7	2.7	2.3	1.9
82.5°	3.7	3.7	3.7	3.6	3.5	3.2	2.8	2.8	2.8	2.8	2.8
80°	4.0	3.9	3.7	3.7	3.7	3.6	3.5	3.2	2.8	3.2	3.6
77.5°	4.7	4.4	4.1	4.0	3.8	3.5	3.1	2.9	2.8	2.8	2.9
75°	4.9	5.0	5.6	5.7	5.5	5.0	4.3	4.2	4.3	4.1	3.7
72.5°	9.5	10.0	10.3	11.2	11.6	12.2	13.2	15.0	17.1	19.1	21.0
70°	19.1	21.7	22.3	22.4	22.3	23.0	24.0	25.1	26.6	27.8	28.8
67.5°	29.4	31.7	32.0	32.6	31.7	30.4	29.1	29.1	30.8	32.7	34.9
65°	35.9	33.5	31.7	31.3	30.7	29.2	26.7	24.9	24.5	24.2	24.2
62.5°	32.2	27.5	25.9	25.5	24.1	22.3	19.0	16.3	15.0	14.2	14.3
60°	27.9	22.4	19.1	17.6	15.4	13.1	11.1	9.0	8.4	8.1	8.3
57.5°	22.9	17.1	13.2	12.6	10.9	8.6	7.1	5.6	5.4	5.4	5.7
55°	21.0	17.9	15.0	14.0	12.0	11.0	9.5	7.6	7.1	7.6	8.3
52.5°	27.3	25.6	24.2	24.3	26.8	24.9	18.6	26.0	30.2	30.2	28.9
50°	59.9	53.8	76.8	73.9	92.4	104.8	95.1	106.8	123.5	135.3	143.5
47.5°	170.9	177.2	204.7	228.6	247.8	269.3	291.1	304.3	307.7	329.4	344.4
45°	344.1	364.8	395.4	410.9	441.1	476.9	502.0	513.3	579.2	661.1	714.1
42.5°	499.4	515.4	539.5	594.0	649.4	772.0	912.7	917.6	1044.6	1157.1	1272.2
40°	608.0	638.0	723.7	853.3	1152.3	1385.7	1551.7	1714.5	1741.6	1688.8	1717.6
37.5°	748.7	855.8	1072.8	1422.4	1681.1	1915.5	2009.8	2022.1	2055.0	2075.6	2042.8
35°	1013.7	1370.7	1550.6	1847.8	2036.1	2081.8	2110.3	2138.4	2165.3	2183.7	2203.8
32.5°	1594.2	2036.3	2060.1	2136.5	2171.6	2212.2	2242.4	2260.0	2272.3	2288.4	2343.1
30°	2218.1	2321.1	2329.6	2323.5	2335.6	2362.9	2382.7	2414.9	2447.1	2484.0	2605.1
27.5°	2509.4	2588.3	2563.8	2521.6	2500.7	2522.5	2576.4	2626.5	2719.8	2818.0	2991.7
25°	2831.9	2884.2	2854.2	2779.5	2732.7	2763.5	2844.5	2940.0	3118.4	3275.8	3595.4
22.5°	3177.3	3274.4	3243.0	3220.7	3122.2	3136.9	3200.8	3416.4	3862.8	4569.3	6036.4
20°	3445.1	3563.8	3578.9	3579.4	3558.7	3564.8	3713.1	4408.7	5713.4	9813.7	13448.4
17.5°	3643.7	3713.3	3797.0	3831.3	3871.9	3990.6	4781.6	7188.2	12822.9	20364.2	26139.0
15°	3901.1	3990.2	4080.8	4138.2	4230.0	4882.5	6905.3	14296.3	24542.9	37342.4	53702.5
12.5°	4107.1	4217.0	4288.9	4334.3	4546.2	6262.6	13300.4	23940.4	39927.6	59789.3	89253.3
10°	4221.2	4306.8	4404.9	4562.4	5426.1	9084.1	18756.4	33642.4	58218.1	93994.1	133237.5
7.5°	4277.9	4388.8	4552.8	4792.1	6422.4	13261.2	26093.6	47486.3	81053.2	125601.3	180281.1
5°	4344.0	4548.9	4744.2	5018.1	7195.9	16277.1	31926.0	59293.6	100963.0	155459.0	222988.7
2.5°	4450.7	4758.9	4884.7	5147.9	7662.0	18218.6	35404.0	68528.6	115830.1	179823.7	255642.0
0°	4619.0	4875.4	4950.9	5215.7	8131.2	19178.9	37447.0	71060.9	122452.5	189312.1	268502.5
-2.5°	4809.2	4969.3	5052.9	5348.1	8366.8	20158.6	39054.3	72762.4	120875.3	186151.4	263670.9
-5°	4933.2	5060.3	5141.4	5429.9	8341.0	19178.9	37258.3	67759.7	111654.4	170038.5	239346.4
-7.5°	5017.6	5150.0	5234.9	5499.2	7847.9	16574.5	32908.4	58408.0	94887.0	142769.5	202634.1
-10°	5100.1	5244.6	5355.9	5564.7	6945.9	12652.9	25829.4	44064.6	74207.6	112305.4	157064.4
-12.5°	5174.5	5353.1	5496.2	5592.4	6098.8	9623.9	18981.5	33704.6	53413.9	81853.4	114606.7
-15°	5212.1	5425.7	5586.0	5692.0	5985.6	7609.7	12291.5	22302.9	37291.4	54931.8	76244.5
-17.5°	5147.3	5465.9	5620.1	5736.8	5833.4	6250.8	8670.3	13690.3	23052.0	34607.8	45019.0
-20°	5044.1	5470.4	5644.9	5802.0	5911.8	6025.5	6333.8	8718.5	12527.0	19616.5	26555.4



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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°	4956.9	5353.2	5717.7	5887.4	6013.7	6022.1	6031.6	6318.7	7805.7	10194.2	13864.9
-25°	4896.4	5271.5	5695.5	5958.5	6046.0	6049.1	6001.4	5948.0	6116.6	6286.1	7627.3
-27.5°	4794.1	5200.9	5599.5	5920.2	6049.8	6045.4	6009.1	5973.5	5915.1	5877.0	6021.7
-30°	4669.0	5077.8	5448.8	5771.3	5963.5	6022.5	5997.8	5971.3	5953.3	5940.6	5914.7
-32.5°	4002.1	4926.4	5239.0	5531.7	5805.9	5926.0	5979.5	5967.1	5950.9	5943.9	5948.5
-35°	3269.0	4223.3	5035.0	5243.6	5481.5	5720.6	5889.2	5927.4	5944.3	5941.3	5948.7
-37.5°	2506.5	3366.3	4163.8	4830.4	5116.8	5365.4	5610.5	5772.9	5870.3	5887.1	5910.1
-40°	2160.2	2403.4	3158.8	3828.8	4386.1	4899.3	5158.8	5439.5	5658.4	5746.6	5792.8
-42.5°	2068.7	2165.3	2264.5	2755.8	3332.9	3822.1	4306.7	4788.4	5188.2	5414.4	5561.6
-45°	2028.9	2082.7	2140.0	2219.0	2289.9	2703.0	3148.0	3617.4	4142.8	4535.3	4901.0
-47.5°	1912.7	2021.1	2075.8	2109.4	2134.3	2188.9	2237.6	2369.9	2807.2	3151.1	3532.5
-50°	1759.0	1869.3	1958.7	2038.2	2065.4	2078.0	2092.6	2136.6	2206.4	2257.2	2334.0
-52.5°	1581.2	1684.6	1784.2	1869.4	1930.2	1982.6	2032.5	2067.2	2095.5	2124.9	2152.7
-55°	1411.2	1499.2	1584.6	1664.5	1737.1	1797.5	1857.0	1913.5	1966.6	2016.6	2063.1
-57.5°	1224.7	1312.7	1391.2	1462.9	1524.7	1575.1	1633.8	1696.2	1754.6	1806.4	1857.0
-60°	1036.5	1116.6	1191.7	1259.5	1316.1	1360.6	1417.6	1473.5	1526.9	1575.2	1617.5
-62.5°	859.5	927.9	992.6	1052.5	1106.1	1153.8	1201.7	1249.6	1300.0	1345.2	1385.1
-65°	710.0	764.6	810.5	853.3	889.3	932.5	978.5	1021.4	1065.8	1107.6	1145.8
-67.5°	559.8	606.0	644.6	681.6	711.7	742.0	776.2	808.9	840.2	872.7	904.5
-70°	422.4	455.0	479.3	504.7	534.3	562.0	589.6	617.3	643.4	672.0	701.5
-72.5°	315.2	331.0	347.0	367.6	385.3	405.4	425.2	446.5	468.0	488.8	508.2
-75°	252.4	262.4	274.5	284.5	292.2	302.0	313.0	326.3	339.8	353.3	365.9
-77.5°	224.5	231.4	237.0	241.3	245.0	250.0	255.0	264.4	274.5	285.8	297.2
-80°	202.9	207.4	211.3	214.4	217.2	221.4	225.6	233.7	242.4	250.8	258.9
-82.5°	181.1	184.8	187.9	190.7	193.3	197.2	201.2	207.7	214.2	222.4	230.6
-85°	159.8	163.1	166.2	168.7	171.0	174.1	177.1	183.2	189.3	195.9	202.4
-87.5°	141.9	144.7	147.4	149.5	151.6	154.2	156.8	161.6	166.4	171.7	177.0
-90°	2.8	2.8	2.8	2.4	1.9	1.9	1.9	1.9	1.9	1.4	0.9



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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°	162.7	163.2	163.2	163.2	163.2	163.2	162.7	162.2	157.6	152.9	148.7
87.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
85°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.3	2.7	2.7
82.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
80°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.6	3.2	2.8	3.2
77.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.9	2.8	2.8	2.9
75°	3.3	2.8	2.8	2.8	2.8	2.8	3.3	3.7	4.1	4.3	4.2
72.5°	22.8	24.5	25.5	26.1	25.5	24.5	22.8	21.0	19.1	17.1	15.0
70°	29.4	29.7	29.8	29.8	29.8	29.7	29.4	28.8	27.8	26.6	25.1
67.5°	36.2	37.0	37.2	37.3	37.2	37.0	36.2	34.9	32.7	30.8	29.1
65°	23.1	21.4	19.8	18.6	19.8	21.4	23.1	24.2	24.2	24.5	24.9
62.5°	14.0	13.4	13.2	13.1	13.2	13.4	14.0	14.3	14.2	15.0	16.3
60°	8.3	8.5	8.1	7.5	8.1	8.5	8.3	8.3	8.1	8.4	9.0
57.5°	6.0	6.4	6.9	7.5	6.9	6.4	6.0	5.7	5.4	5.4	5.6
55°	9.0	9.9	10.6	11.2	10.6	9.9	9.0	8.3	7.6	7.1	7.6
52.5°	26.0	23.4	22.5	23.3	22.5	23.4	26.0	28.9	30.2	30.2	26.0
50°	147.6	150.6	154.2	158.5	154.2	150.6	147.6	143.5	135.3	123.5	106.8
47.5°	348.6	342.0	335.8	333.8	335.8	342.0	348.6	344.4	329.4	307.7	304.3
45°	660.9	612.3	587.6	602.3	587.6	612.3	660.9	714.1	661.1	579.2	513.3
42.5°	1334.0	1406.0	1462.3	1489.0	1462.3	1406.0	1334.0	1272.2	1157.1	1044.6	917.6
40°	1672.5	1645.4	1659.9	1682.0	1659.9	1645.4	1672.5	1717.6	1688.8	1741.6	1714.5
37.5°	2058.9	2067.8	2002.8	1896.5	2002.8	2067.8	2058.9	2042.8	2075.6	2055.0	2022.1
35°	2246.3	2362.2	2579.1	2631.2	2579.1	2362.2	2246.3	2203.8	2183.7	2165.3	2138.4
32.5°	2480.9	2601.2	2638.1	2652.6	2638.1	2601.2	2480.9	2343.1	2288.4	2272.3	2260.0
30°	2761.3	2815.6	2801.9	2822.3	2801.9	2815.6	2761.3	2605.1	2484.0	2447.1	2414.9
27.5°	3068.5	3100.3	3089.9	3116.9	3089.9	3100.3	3068.5	2991.7	2818.0	2719.8	2626.5
25°	3861.4	4112.0	4098.9	4157.5	4098.9	4112.0	3861.4	3595.4	3275.8	3118.4	2940.0
22.5°	7822.3	8708.0	9238.4	9751.7	9238.4	8708.0	7822.3	6036.4	4569.3	3862.8	3416.4
20°	17477.9	20030.3	20586.0	20383.6	20586.0	20030.3	17477.9	13448.4	9813.7	5713.4	4408.7
17.5°	37516.9	47701.0	53169.3	53777.5	53169.3	47701.0	37516.9	26139.0	20364.2	12822.9	7188.2
15°	70604.5	88404.0	98510.2	99572.0	98510.2	88404.0	70604.5	53702.5	37342.4	24542.9	14296.3
12.5°	115421.3	143767.1	164576.3	166897.9	164576.3	143767.1	115421.3	89253.3	59789.3	39927.6	23940.4
10°	176809.9	215133.3	245438.1	252820.9	245438.1	215133.3	176809.9	133237.5	93994.1	58218.1	33642.4
7.5°	238081.9	281816.8	317483.5	325875.2	317483.5	281816.8	238081.9	180281.1	125601.3	81053.2	47486.3
5°	285980.3	341938.1	370400.7	379804.7	370400.7	341938.1	285980.3	222988.7	155459.0	100963.0	59293.6
2.5°	322490.6	375328.3	408742.6	422452.0	408742.6	375328.3	322490.6	255642.0	179823.7	115830.1	68528.6
0°	336584.4	387837.1	430388.4	456848.7	430388.4	387837.1	336584.4	268502.5	189312.1	122452.5	71060.9
-2.5°	331059.9	380407.3	416570.8	433735.2	416570.8	380407.3	331059.9	263670.9	186151.4	120875.3	72762.4
-5°	303131.5	352932.0	380892.6	389749.4	380892.6	352932.0	303131.5	239346.4	170038.5	111654.4	67759.7
-7.5°	256329.7	300165.3	333319.0	339261.8	333319.0	300165.3	256329.7	202634.1	142769.5	94887.0	58408.0
-10°	203156.9	241104.1	266396.1	271180.2	266396.1	241104.1	203156.9	157064.4	112305.4	74207.6	44064.6
-12.5°	144007.9	177340.6	197337.1	201027.0	197337.1	177340.6	144007.9	114606.7	81853.4	53413.9	33704.6
-15°	97860.6	118622.8	130742.6	131966.4	130742.6	118622.8	97860.6	76244.5	54931.8	37291.4	22302.9
-17.5°	61231.4	73581.4	81135.1	81205.2	81135.1	73581.4	61231.4	45019.0	34607.8	23052.0	13690.3
-20°	35449.4	41342.7	45568.9	45551.2	45568.9	41342.7	35449.4	26555.4	19616.5	12527.0	8718.5



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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°	18469.6	21972.2	24520.5	24404.0	24520.5	21972.2	18469.6	13864.9	10194.2	7805.7	6318.7
-25°	9069.4	10410.4	11302.9	11233.3	11302.9	10410.4	9069.4	7627.3	6286.1	6116.6	5948.0
-27.5°	6146.3	6293.9	6395.7	6406.3	6395.7	6293.9	6146.3	6021.7	5877.0	5915.1	5973.5
-30°	5904.6	5938.4	5974.0	5983.0	5974.0	5938.4	5904.6	5914.7	5940.6	5953.3	5971.3
-32.5°	5963.0	5989.3	6028.3	6053.0	6028.3	5989.3	5963.0	5948.5	5943.9	5950.9	5967.1
-35°	5967.2	5997.8	6043.0	6063.2	6043.0	5997.8	5967.2	5948.7	5941.3	5944.3	5927.4
-37.5°	5939.5	5976.9	6015.6	6033.4	6015.6	5976.9	5939.5	5910.1	5887.1	5870.3	5772.9
-40°	5834.1	5872.3	5900.6	5902.9	5900.6	5872.3	5834.1	5792.8	5746.6	5658.4	5439.5
-42.5°	5659.6	5706.9	5728.7	5724.8	5728.7	5706.9	5659.6	5561.6	5414.4	5188.2	4788.4
-45°	5247.6	5415.3	5497.6	5517.8	5497.6	5415.3	5247.6	4901.0	4535.3	4142.8	3617.4
-47.5°	3974.7	4220.5	4378.2	4440.9	4378.2	4220.5	3974.7	3532.5	3151.1	2807.2	2369.9
-50°	2434.4	2457.3	2472.4	2480.1	2472.4	2457.3	2434.4	2334.0	2257.2	2206.4	2136.6
-52.5°	2175.9	2182.4	2185.9	2186.4	2185.9	2182.4	2175.9	2152.7	2124.9	2095.5	2067.2
-55°	2096.7	2109.9	2118.1	2120.2	2118.1	2109.9	2096.7	2063.1	2016.6	1966.6	1913.5
-57.5°	1890.3	1897.8	1906.2	1911.4	1906.2	1897.8	1890.3	1857.0	1806.4	1754.6	1696.2
-60°	1643.0	1649.8	1651.2	1646.6	1651.2	1649.8	1643.0	1617.5	1575.2	1526.9	1473.5
-62.5°	1406.9	1413.2	1419.5	1421.9	1419.5	1413.2	1406.9	1385.1	1345.2	1300.0	1249.6
-65°	1163.6	1166.8	1168.3	1165.5	1168.3	1166.8	1163.6	1145.8	1107.6	1065.8	1021.4
-67.5°	919.5	925.8	934.7	940.8	934.7	925.8	919.5	904.5	872.7	840.2	808.9
-70°	708.3	705.5	711.5	716.1	711.5	705.5	708.3	701.5	672.0	643.4	617.3
-72.5°	510.7	507.6	505.5	501.6	505.5	507.6	510.7	508.2	488.8	468.0	446.5
-75°	365.2	361.5	361.0	359.9	361.0	361.5	365.2	365.9	353.3	339.8	326.3
-77.5°	297.4	295.9	294.0	291.8	294.0	295.9	297.4	297.2	285.8	274.5	264.4
-80°	259.6	259.7	258.6	257.3	258.6	259.7	259.6	258.9	250.8	242.4	233.7
-82.5°	231.0	230.9	230.2	229.4	230.2	230.9	231.0	230.6	222.4	214.2	207.7
-85°	202.9	203.1	202.3	201.4	202.3	203.1	202.9	202.4	195.9	189.3	183.2
-87.5°	177.5	178.0	177.6	177.2	177.6	178.0	177.5	177.0	171.7	166.4	161.6
-90°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.4	1.9	1.9



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	144.5	141.7	138.9	137.5	136.1	133.3	130.5	126.8	123.1	118.4	113.7
87.5°	1.9	2.3	2.7	2.7	2.8	2.8	2.8	2.8	2.8	3.3	3.7
85°	2.7	2.7	2.8	3.2	3.5	3.4	3.4	3.3	3.3	3.5	3.7
82.5°	2.8	3.2	3.5	3.6	3.7	3.7	3.7	3.9	4.0	3.9	3.9
80°	3.5	3.6	3.7	3.7	3.7	3.9	4.0	4.4	4.7	4.6	4.5
77.5°	3.1	3.5	3.8	4.0	4.1	4.4	4.7	4.7	4.8	5.1	5.2
75°	4.3	5.0	5.5	5.7	5.6	5.0	4.9	5.2	5.3	5.4	5.6
72.5°	13.2	12.2	11.6	11.2	10.3	10.0	9.5	8.8	7.8	6.5	5.6
70°	24.0	23.0	22.3	22.4	22.3	21.7	19.1	16.0	13.6	11.8	9.5
67.5°	29.1	30.4	31.7	32.6	32.0	31.7	29.4	26.1	25.0	22.8	16.5
65°	26.7	29.2	30.7	31.3	31.7	33.5	35.9	35.1	36.6	35.1	27.4
62.5°	19.0	22.3	24.1	25.5	25.9	27.5	32.2	37.2	44.6	46.6	37.8
60°	11.1	13.1	15.4	17.6	19.1	22.4	27.9	36.1	46.5	45.8	42.1
57.5°	7.1	8.6	10.9	12.6	13.2	17.1	22.9	33.1	43.6	43.2	38.0
55°	9.5	11.0	12.0	14.0	15.0	17.9	21.0	29.4	39.4	42.6	40.8
52.5°	18.6	24.9	26.8	24.3	24.2	25.6	27.3	34.0	40.0	44.8	46.5
50°	95.1	104.8	92.4	73.9	76.8	53.8	59.9	58.4	55.9	58.5	56.8
47.5°	291.1	269.3	247.8	228.6	204.7	177.2	170.9	132.1	128.3	95.4	95.1
45°	502.0	476.9	441.1	410.9	395.4	364.8	344.1	314.5	255.8	228.4	158.7
42.5°	912.7	772.0	649.4	594.0	539.5	515.4	499.4	480.1	448.7	393.3	329.0
40°	1551.7	1385.7	1152.3	853.3	723.7	638.0	608.0	601.5	585.6	555.7	487.8
37.5°	2009.8	1915.5	1681.1	1422.4	1072.8	855.8	748.7	690.5	686.9	671.1	625.9
35°	2110.3	2081.8	2036.1	1847.8	1550.6	1370.7	1013.7	839.1	769.2	756.5	741.4
32.5°	2242.4	2212.2	2171.6	2136.5	2060.1	2036.3	1594.2	1108.1	880.2	834.0	809.8
30°	2382.7	2362.9	2335.6	2323.5	2329.6	2321.1	2218.1	1600.3	1127.1	909.1	881.5
27.5°	2576.4	2522.5	2500.7	2521.6	2563.8	2588.3	2509.4	2204.2	1475.5	1114.3	953.4
25°	2844.5	2763.5	2732.7	2779.5	2854.2	2884.2	2831.9	2631.4	2126.0	1388.3	1028.4
22.5°	3200.8	3136.9	3122.2	3220.7	3243.0	3274.4	3177.3	3057.0	2785.2	1802.1	1257.0
20°	3713.1	3564.8	3558.7	3579.4	3578.9	3563.8	3445.1	3336.6	3038.9	2334.2	1513.3
17.5°	4781.6	3990.6	3871.9	3831.3	3797.0	3713.3	3643.7	3476.4	3261.0	2783.5	1761.8
15°	6905.3	4882.5	4230.0	4138.2	4080.8	3990.2	3901.1	3708.0	3505.1	3061.9	2117.9
12.5°	13300.4	6262.6	4546.2	4334.3	4288.9	4217.0	4107.1	4013.3	3744.8	3313.4	2486.0
10°	18756.4	9084.1	5426.1	4562.4	4404.9	4306.8	4221.2	4126.2	3901.1	3540.5	2846.0
7.5°	26093.6	13261.2	6422.4	4792.1	4552.8	4388.8	4277.9	4183.3	4000.3	3637.2	3084.7
5°	31926.0	16277.1	7195.9	5018.1	4744.2	4548.9	4344.0	4243.1	4061.6	3673.9	3242.2
2.5°	35404.0	18218.6	7662.0	5147.9	4884.7	4758.9	4450.7	4301.9	4085.1	3698.9	3342.0
0°	37447.0	19178.9	8131.2	5215.7	4950.9	4875.4	4619.0	4357.0	4076.3	3707.1	3390.1
-2.5°	39054.3	20158.6	8366.8	5348.1	5052.9	4969.3	4809.2	4570.1	4123.4	3717.3	3418.4
-5°	37258.3	19178.9	8341.0	5429.9	5141.4	5060.3	4933.2	4709.3	4195.0	3739.8	3397.8
-7.5°	32908.4	16574.5	7847.9	5499.2	5234.9	5150.0	5017.6	4796.7	4342.2	3854.7	3350.0
-10°	25829.4	12652.9	6945.9	5564.7	5355.9	5244.6	5100.1	4822.1	4403.8	3945.4	3249.5
-12.5°	18981.5	9623.9	6098.8	5592.4	5496.2	5353.1	5174.5	4812.9	4441.8	4067.4	3183.0
-15°	12291.5	7609.7	5985.6	5692.0	5586.0	5425.7	5212.1	4788.1	4450.4	4141.7	3026.0
-17.5°	8670.3	6250.8	5833.4	5736.8	5620.1	5465.9	5147.3	4758.8	4412.6	3929.3	2702.9
-20°	6333.8	6025.5	5911.8	5802.0	5644.9	5470.4	5044.1	4703.6	4312.9	3492.1	2420.0



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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°	6031.6	6022.1	6013.7	5887.4	5717.7	5353.2	4956.9	4614.2	4165.0	3060.3	2144.9
-25°	6001.4	6049.1	6046.0	5958.5	5695.5	5271.5	4896.4	4460.0	3675.3	2684.6	1889.2
-27.5°	6009.1	6045.4	6049.8	5920.2	5599.5	5200.9	4794.1	4214.6	3072.8	2284.6	1880.9
-30°	5997.8	6022.5	5963.5	5771.3	5448.8	5077.8	4669.0	3574.1	2600.4	1979.6	1856.3
-32.5°	5979.5	5926.0	5805.9	5531.7	5239.0	4926.4	4002.1	2942.2	2157.4	1944.8	1836.6
-35°	5889.2	5720.6	5481.5	5243.6	5035.0	4223.3	3269.0	2384.5	2026.3	1906.7	1815.8
-37.5°	5610.5	5365.4	5116.8	4830.4	4163.8	3366.3	2506.5	2114.3	1969.4	1882.7	1758.3
-40°	5158.8	4899.3	4386.1	3828.8	3158.8	2403.4	2160.2	2030.4	1944.0	1829.9	1677.1
-42.5°	4306.7	3822.1	3332.9	2755.8	2264.5	2165.3	2068.7	1994.9	1887.8	1737.4	1569.6
-45°	3148.0	2703.0	2289.9	2219.0	2140.0	2082.7	2028.9	1917.5	1785.4	1619.5	1453.0
-47.5°	2237.6	2188.9	2134.3	2109.4	2075.8	2021.1	1912.7	1795.8	1643.8	1483.7	1329.7
-50°	2092.6	2078.0	2065.4	2038.2	1958.7	1869.3	1759.0	1643.0	1496.5	1348.7	1202.6
-52.5°	2032.5	1982.6	1930.2	1869.4	1784.2	1684.6	1581.2	1477.1	1348.9	1209.5	1071.7
-55°	1857.0	1797.5	1737.1	1664.5	1584.6	1499.2	1411.2	1307.7	1192.8	1063.4	938.6
-57.5°	1633.8	1575.1	1524.7	1462.9	1391.2	1312.7	1224.7	1127.2	1030.6	915.6	804.0
-60°	1417.6	1360.6	1316.1	1259.5	1191.7	1116.6	1036.5	952.3	863.0	780.6	694.4
-62.5°	1201.7	1153.8	1106.1	1052.5	992.6	927.9	859.5	796.0	730.4	659.4	580.4
-65°	978.5	932.5	889.3	853.3	810.5	764.6	710.0	653.8	594.6	531.8	463.3
-67.5°	776.2	742.0	711.7	681.6	644.6	606.0	559.8	510.6	462.3	413.6	360.0
-70°	589.6	562.0	534.3	504.7	479.3	455.0	422.4	386.3	345.6	312.0	281.6
-72.5°	425.2	405.4	385.3	367.6	347.0	331.0	315.2	295.9	272.6	246.8	225.7
-75°	313.0	302.0	292.2	284.5	274.5	262.4	252.4	241.0	229.2	216.6	204.0
-77.5°	255.0	250.0	245.0	241.3	237.0	231.4	224.5	215.2	206.1	195.7	185.3
-80°	225.6	221.4	217.2	214.4	211.3	207.4	202.9	195.1	186.9	177.4	168.3
-82.5°	201.2	197.2	193.3	190.7	187.9	184.8	181.1	174.4	167.6	159.9	152.4
-85°	177.1	174.1	171.0	168.7	166.2	163.1	159.8	154.6	149.3	142.8	136.2
-87.5°	156.8	154.2	151.6	149.5	147.4	144.7	141.9	137.9	133.8	128.3	122.9
-90°	1.9	1.9	1.9	2.4	2.8	2.8	2.8	2.8	2.8	3.3	3.7





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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°	109.1	104.4	100.2	96.0	92.3	88.6	84.4	80.2	74.6	69.0	62.0
87.5°	3.7	3.7	4.0	4.3	4.2	4.2	4.4	4.7	4.7	4.7	4.8
85°	3.9	4.0	4.3	4.7	4.7	4.7	4.7	4.7	4.7	4.7	5.0
82.5°	4.3	4.6	4.6	4.7	5.0	5.1	5.0	4.9	4.9	4.8	5.1
80°	4.6	4.7	4.9	5.0	5.3	5.6	5.5	5.4	5.4	5.4	5.5
77.5°	5.0	5.0	5.3	5.5	5.5	5.7	5.8	5.8	6.0	6.0	5.9
75°	5.6	5.5	5.5	5.7	5.7	5.7	6.0	6.2	6.4	6.5	6.2
72.5°	5.6	5.7	5.8	5.8	6.1	6.2	6.4	6.6	6.8	6.9	6.6
70°	7.4	6.2	6.2	6.4	6.6	6.7	6.9	7.2	7.3	7.3	7.1
67.5°	10.4	8.7	7.6	7.1	7.2	7.4	7.5	7.8	7.9	7.8	7.6
65°	20.2	14.0	9.2	8.7	8.2	8.2	8.3	8.6	8.6	8.7	8.1
62.5°	29.5	21.7	15.9	11.7	10.2	10.4	9.4	10.0	9.6	9.8	9.1
60°	38.6	29.9	23.4	18.6	15.0	13.5	12.9	11.7	11.5	11.0	10.4
57.5°	37.9	36.6	33.0	26.5	22.8	19.3	17.4	15.6	13.9	13.3	11.9
55°	37.3	37.3	41.3	37.2	32.8	27.4	24.1	21.0	17.3	16.0	13.6
52.5°	43.5	44.3	47.7	49.9	46.5	38.2	34.7	26.8	23.8	18.9	16.5
50°	54.1	58.8	59.4	64.6	61.9	56.4	46.5	38.4	30.9	23.2	19.7
47.5°	81.8	86.3	81.7	86.0	82.0	77.5	65.4	52.1	38.6	30.4	23.0
45°	156.9	130.9	126.7	119.5	110.0	104.8	88.4	67.1	52.4	38.3	26.4
42.5°	261.6	224.9	203.9	160.0	155.3	136.7	115.4	91.2	67.2	46.7	32.2
40°	408.8	354.0	304.8	254.9	211.5	172.7	149.9	118.6	83.0	57.5	39.8
37.5°	551.6	486.5	430.0	355.8	283.3	231.6	187.9	147.9	103.5	72.9	47.8
35°	670.4	609.7	533.8	454.3	378.1	291.6	228.6	180.8	130.9	89.1	56.0
32.5°	767.9	706.5	619.6	539.0	453.6	351.5	278.1	215.7	158.7	106.1	64.5
30°	840.7	782.2	699.6	605.7	514.9	413.9	327.8	248.9	186.9	123.6	74.3
27.5°	916.2	860.0	777.2	673.3	567.8	467.5	368.6	280.4	215.2	141.6	87.2
25°	991.7	934.0	857.3	748.2	620.9	509.6	405.6	310.3	242.1	160.5	99.5
22.5°	1057.6	1002.2	937.1	827.2	680.8	550.4	440.4	342.6	260.3	177.9	111.0
20°	1118.3	1060.1	1011.9	894.1	745.9	599.3	474.3	367.8	277.2	193.8	121.8
17.5°	1205.0	1111.7	1050.9	945.6	807.3	649.5	509.4	391.7	292.7	208.2	131.7
15°	1403.1	1162.3	1089.2	990.9	857.3	696.9	544.6	414.5	306.7	221.0	140.5
12.5°	1584.5	1210.2	1129.4	1029.7	894.9	738.4	579.1	436.2	319.3	233.1	148.0
10°	1767.6	1256.8	1168.8	1067.2	927.1	774.3	612.3	458.5	334.9	244.7	154.7
7.5°	1968.4	1302.4	1205.6	1103.2	954.9	803.6	641.2	484.0	350.1	255.0	160.5
5°	2150.9	1344.5	1243.7	1143.3	983.1	826.6	666.0	507.4	364.0	264.1	165.4
2.5°	2278.6	1380.1	1281.3	1180.9	1007.4	845.2	686.8	528.3	376.3	271.7	169.4
0°	2373.8	1411.6	1315.6	1214.0	1027.5	859.6	703.9	546.4	386.9	277.8	172.5
-2.5°	2369.9	1438.1	1343.7	1245.9	1064.7	880.7	715.0	555.9	398.1	286.3	178.8
-5°	2329.4	1461.3	1369.1	1272.7	1096.0	897.1	722.4	562.2	407.2	293.0	184.0
-7.5°	2279.3	1487.4	1393.1	1294.4	1120.0	908.1	726.2	565.6	414.1	297.9	188.1
-10°	2196.7	1513.1	1415.3	1304.9	1124.9	914.7	727.4	566.2	418.7	300.8	190.9
-12.5°	2094.7	1536.6	1434.3	1309.1	1122.3	917.8	732.2	565.6	420.5	301.7	192.4
-15°	1959.1	1568.0	1457.4	1307.9	1114.8	916.6	731.8	561.6	417.2	299.5	192.4
-17.5°	1767.7	1591.5	1479.4	1303.4	1103.4	911.4	725.6	553.3	411.3	294.0	190.4
-20°	1744.9	1613.2	1491.6	1289.3	1087.2	899.9	713.4	540.4	403.0	286.6	186.8



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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°	1760.8	1637.9	1485.8	1265.6	1067.5	883.2	695.9	523.2	392.1	277.3	182.0
-25°	1764.2	1661.4	1477.3	1252.8	1044.7	859.8	675.5	506.3	378.6	266.2	175.9
-27.5°	1762.8	1657.1	1463.9	1225.6	1019.6	830.9	652.9	494.4	367.6	253.2	168.6
-30°	1758.6	1612.6	1416.7	1186.2	984.9	798.5	626.7	479.5	355.2	242.9	160.0
-32.5°	1734.2	1562.7	1356.0	1141.6	943.7	761.8	597.7	461.5	340.0	234.2	154.7
-35°	1670.6	1495.1	1294.0	1090.2	898.3	726.4	569.3	440.1	322.2	223.3	150.1
-37.5°	1600.9	1411.1	1231.2	1034.0	848.4	686.7	542.9	417.0	301.7	210.3	144.8
-40°	1500.1	1319.5	1148.3	971.1	797.4	642.3	512.4	391.1	283.1	195.1	138.3
-42.5°	1394.3	1223.6	1060.6	896.8	742.5	602.3	478.1	361.7	263.3	183.6	130.6
-45°	1287.0	1124.5	969.2	823.8	683.8	557.6	440.9	329.9	240.7	173.3	124.7
-47.5°	1173.7	1022.6	879.9	745.9	628.1	508.3	397.8	301.4	215.9	161.5	122.3
-50°	1056.9	918.6	789.5	673.3	564.5	455.2	353.0	270.0	200.5	148.1	119.5
-52.5°	938.8	813.5	703.2	600.5	498.0	397.2	312.4	236.5	183.5	141.1	116.2
-55°	818.3	716.5	620.6	524.2	428.2	345.4	269.0	214.0	165.0	136.6	112.6
-57.5°	713.6	624.4	533.6	443.9	364.5	293.1	235.6	190.4	156.1	131.6	110.4
-60°	610.4	526.5	442.6	371.2	304.1	249.4	207.9	171.0	149.7	126.6	107.8
-62.5°	503.1	428.6	363.8	301.7	254.9	216.4	182.5	162.2	142.4	122.9	104.8
-65°	402.4	342.7	287.3	251.8	216.7	187.8	171.6	152.9	136.3	118.8	101.5
-67.5°	306.2	273.2	240.5	208.6	190.1	175.1	160.1	145.2	130.5	114.4	98.1
-70°	251.1	221.7	202.9	189.1	175.7	162.4	150.8	138.0	124.2	110.0	94.4
-72.5°	212.0	198.5	185.5	173.2	162.7	152.1	141.8	130.6	118.4	105.4	90.4
-75°	191.3	180.4	170.6	160.8	151.2	141.7	133.1	123.5	112.3	100.6	86.4
-77.5°	175.3	165.7	157.0	148.6	140.4	132.5	124.6	116.2	105.9	95.2	82.1
-80°	160.1	152.1	144.5	137.0	130.0	123.2	115.8	108.3	99.0	89.6	77.5
-82.5°	145.5	138.7	131.7	124.8	118.6	112.4	106.3	100.1	91.9	83.8	73.3
-85°	130.4	124.6	118.4	112.2	106.9	101.5	97.2	92.6	85.8	78.9	69.6
-87.5°	118.2	113.3	108.4	103.5	99.3	95.1	90.8	86.4	80.3	74.0	65.9
-90°	3.7	3.7	3.7	3.7	3.7	3.7	4.2	4.7	4.7	4.7	4.7



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	55.0	45.7	36.4	25.6	14.9	9.8	4.7
87.5°	4.9	4.9	4.9	4.9	4.9	4.8	4.7
85°	5.2	5.1	5.0	5.1	5.0	4.9	4.7
82.5°	5.4	5.3	5.2	5.2	5.2	5.1	4.7
80°	5.6	5.5	5.3	5.4	5.3	5.2	4.7
77.5°	5.9	5.7	5.5	5.6	5.5	5.3	4.7
75°	6.1	6.0	5.7	5.8	5.7	5.4	4.7
72.5°	6.4	6.3	6.1	6.0	5.8	5.5	4.7
70°	6.7	6.7	6.4	6.2	6.0	5.7	4.7
67.5°	7.3	7.0	6.7	6.4	6.2	5.8	4.7
65°	7.9	7.5	7.1	6.7	6.4	5.9	4.7
62.5°	8.5	8.0	7.4	6.9	6.6	6.0	4.7
60°	9.1	8.6	7.7	7.2	6.8	6.1	4.7
57.5°	10.6	9.2	8.3	7.4	7.0	6.3	4.7
55°	12.3	9.8	9.0	7.7	7.3	6.4	4.7
52.5°	14.2	10.6	9.7	7.9	7.6	6.5	4.7
50°	16.2	12.5	10.5	8.1	7.9	6.6	4.7
47.5°	18.4	14.6	11.2	8.4	8.3	6.7	4.7
45°	21.4	16.7	12.1	9.1	8.6	6.8	4.7
42.5°	24.4	18.9	13.0	9.7	9.0	7.0	4.7
40°	27.6	21.1	14.3	10.7	9.4	7.1	4.7
37.5°	31.1	23.4	16.0	11.8	9.8	7.2	4.7
35°	34.7	26.0	17.8	12.9	10.3	7.3	4.7
32.5°	39.3	28.9	19.5	14.1	10.7	7.4	4.7
30°	46.2	31.7	21.3	15.3	11.2	7.5	4.7
27.5°	53.0	34.6	23.5	16.5	11.7	7.6	4.7
25°	59.8	37.4	25.8	17.8	12.2	7.7	4.7
22.5°	66.3	40.2	28.0	19.1	12.7	7.8	4.7
20°	72.7	43.3	30.1	20.4	13.2	7.9	4.7
17.5°	78.6	46.2	32.1	21.6	13.7	8.0	4.7
15°	83.8	48.9	34.1	22.9	14.2	8.0	4.7
12.5°	88.6	51.6	35.9	24.2	14.6	8.1	4.7
10°	92.9	54.1	37.7	25.4	15.1	8.2	4.7
7.5°	96.8	56.4	39.4	26.6	15.6	8.2	4.7
5°	100.1	58.6	41.0	27.7	16.0	8.3	4.7
2.5°	103.0	60.6	42.4	28.8	16.4	8.4	4.7
0°	105.4	62.5	43.8	29.8	16.8	8.4	4.7
-2.5°	108.8	65.1	45.7	31.1	17.7	8.8	4.7
-5°	111.6	67.5	47.5	32.3	18.5	9.1	4.7
-7.5°	113.9	69.7	49.2	33.5	19.3	9.5	4.7
-10°	115.6	71.7	50.8	34.6	20.1	9.8	4.7
-12.5°	116.8	73.4	52.2	35.6	20.8	10.1	4.7
-15°	117.4	75.0	53.4	36.5	21.5	10.4	4.7
-17.5°	117.4	76.2	54.6	37.3	22.1	10.7	4.7
-20°	116.9	77.3	55.5	38.0	22.7	11.0	4.7



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	116.0	78.1	56.3	38.6	23.2	11.2	4.7
-25°	114.4	78.8	57.0	39.2	23.6	11.5	4.7
-27.5°	112.1	79.3	57.5	39.6	24.0	11.7	4.7
-30°	109.2	79.5	57.8	40.0	24.3	11.9	4.7
-32.5°	105.5	79.5	58.2	40.3	24.6	12.1	4.7
-35°	104.0	79.3	58.5	40.4	24.8	12.2	4.7
-37.5°	103.4	79.0	58.6	40.5	24.9	12.3	4.7
-40°	102.5	79.0	58.6	40.5	24.9	12.4	4.7
-42.5°	101.3	78.7	58.6	40.4	24.9	12.5	4.7
-45°	99.7	78.3	58.5	40.4	24.8	12.6	4.7
-47.5°	97.7	77.7	58.3	40.2	24.7	12.6	4.7
-50°	96.4	76.8	58.0	40.0	24.5	12.6	4.7
-52.5°	95.0	75.8	57.5	39.8	24.2	12.6	4.7
-55°	93.4	74.8	56.8	39.4	23.8	12.6	4.7
-57.5°	91.5	73.5	56.0	38.8	23.4	12.5	4.7
-60°	89.4	72.1	55.0	38.2	22.9	12.4	4.7
-62.5°	87.2	70.4	54.0	37.5	22.6	12.3	4.7
-65°	84.7	68.5	52.7	36.7	22.1	12.1	4.7
-67.5°	81.9	66.5	51.4	35.7	21.6	12.0	4.7
-70°	79.0	64.3	49.9	34.7	21.1	11.8	4.7
-72.5°	75.9	62.0	48.3	33.8	20.4	11.6	4.7
-75°	72.8	59.5	46.5	32.9	19.8	11.4	4.7
-77.5°	69.4	56.9	45.0	31.8	19.0	11.2	4.7
-80°	65.9	54.7	43.5	30.7	18.3	10.9	4.7
-82.5°	63.2	52.6	41.9	29.6	17.5	10.7	4.7
-85°	60.6	50.4	40.1	28.3	16.7	10.4	4.7
-87.5°	57.8	48.1	38.3	27.0	15.8	10.1	4.7
-90°	4.7	4.7	4.7	4.7	4.7	4.7	4.7

(END OF REPORT)