

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: P1305632 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-640L-40-80-4S-VHE-A**

Issue Date: 2/3/2026

**Test Information**

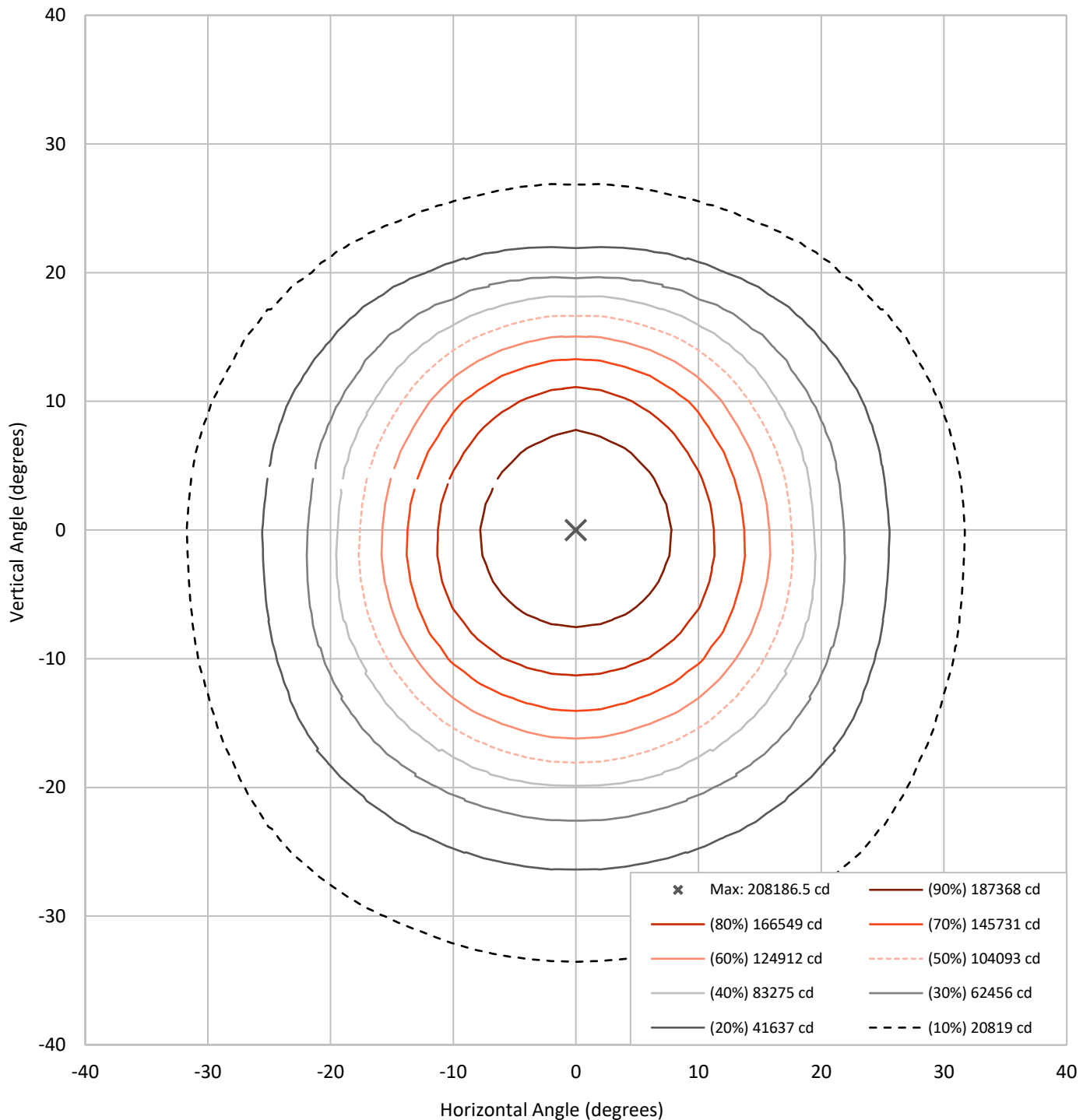
Test Method: LM-79-08  
Report Number: P1305632 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-08-640L-40-80-4S-VHE-A  
Description: EPHESUS LUMASPORT 8 LUMINAIRE  
(8) 4000K, 80 CRI LEDS AND 4S BEAM SHAPE WITH ANODIZED CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	86359.9 lumens	Max Intensity:	208186.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	133.3 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	35.2°H x 34.7°V	Field Angle (10%):	63.4°H x 60.3°V
Beam Lumens:	46352 lumens	Field Lumens:	75428.5 lumens
Beam Efficiency:	53.7%	Field Efficiency:	87.3%
Input Watts (W):	648		
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





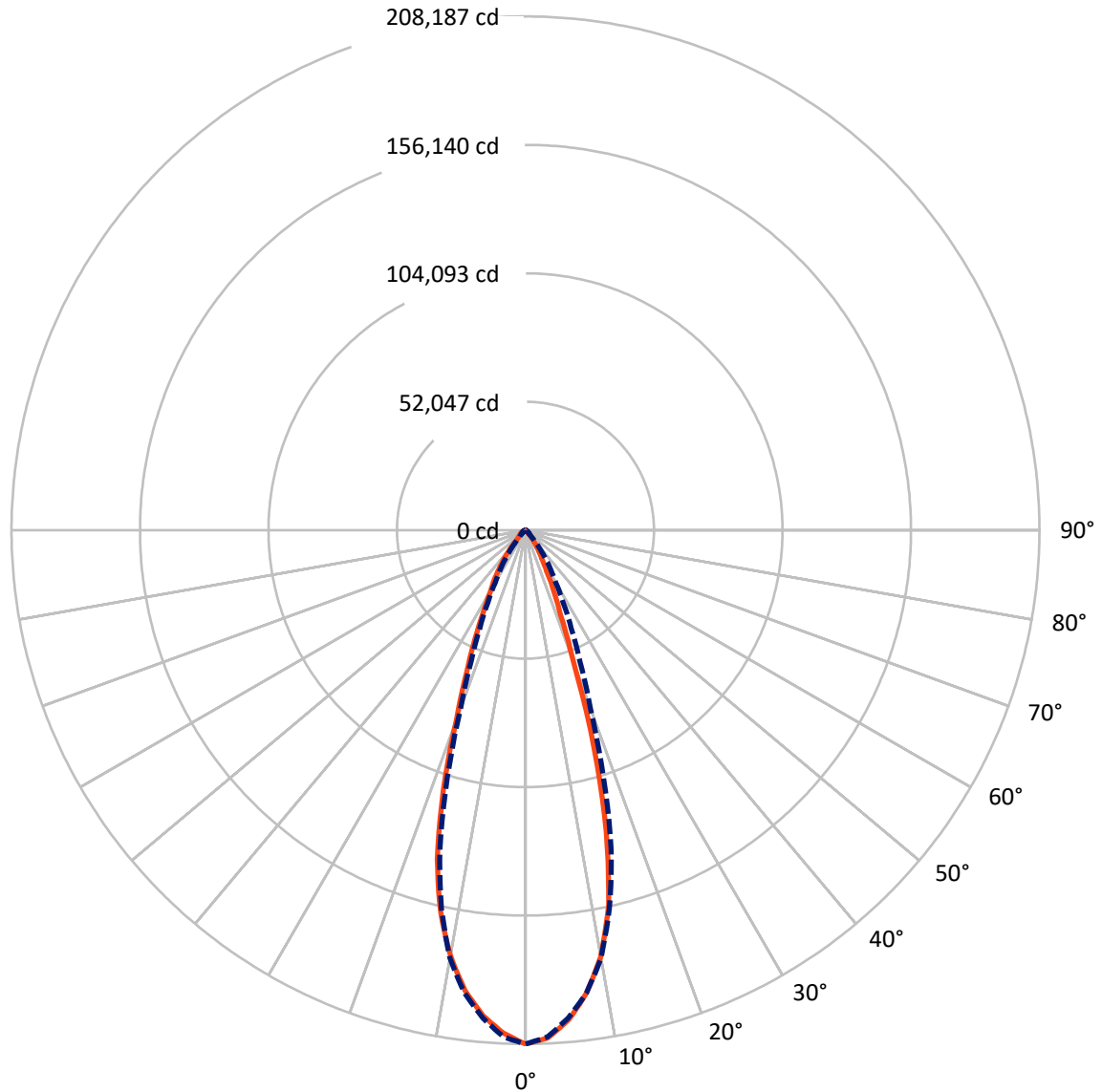
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### Lumen Table

90																			
80	0.3	0.9		1.6		2.2		2.5		2.2		1.6		0.9		0.3			
70	0.3	0.2	0.2	0.5	0.7	0.6	0.6	0.7	0.7	0.6	0.6	0.7	0.5	0.2	0.2	0.3			
60		0.4	0.7	1.2	1.1	0.8	1.0	1.2	1.2	1.0	0.8	1.1	1.2	0.7	0.4				
50	0.8	1.1	2.4	4.9	9.0	14.3	21.0	27.1	27.1	21.0	14.3	9.0	4.9	2.4	1.1	0.8			
40		2.6	8.2	15.7	25.8	59.6	133.3	215.9	215.9	133.3	59.6	25.8	15.7	8.2	2.6				
30	1.9	4.5	13.7	26.6	83.4	256.4	559.4	848.3	848.3	559.4	256.4	83.4	26.6	13.7	4.5	1.9			
20		6.1	18.0	42.5	216.9	719.4	1922.2	3415.6	3415.6	1922.2	719.4	216.9	42.5	18.0	6.1				
10	2.8	7.5	21.1	58.9	339.5	1180.8	3494.9	5596.4	5596.4	3494.9	1180.8	339.5	58.9	21.1	7.5	2.8			
0		8.4	23.4	65.9	363.9	1240.2	3663.9	5640.7	5640.7	3663.9	1240.2	363.9	65.9	23.4	8.4				
-10	3.2	8.6	24.8	60.6	290.5	916.1	2306.4	3789.2	3789.2	2306.4	916.1	290.5	60.6	24.8	8.6	3.2			
-20		8.1	24.6	52.0	159.8	508.8	998.9	1442.5	1442.5	998.9	508.8	159.8	52.0	24.6	8.1				
-30	3.0	6.9	22.2	43.5	76.8	188.8	380.4	525.8	525.8	380.4	188.8	76.8	43.5	22.2	6.9	3.0			
-40		5.4	16.6	34.8	54.9	76.2	103.9	133.1	133.1	103.9	76.2	54.9	34.8	16.6	5.4				
-50	2.6	4.0	10.4	22.6	39.0	52.7	63.6	71.3	71.3	63.6	52.7	39.0	22.6	10.4	4.0	2.6			
-60		3.0	6.1	11.5	19.6	27.8	35.3	40.3	40.3	35.3	27.8	19.6	11.5	6.1	3.0				
-70																			
-80	1.9	10.9		24.7		39.9		49.0		39.9		24.7		10.9		1.9			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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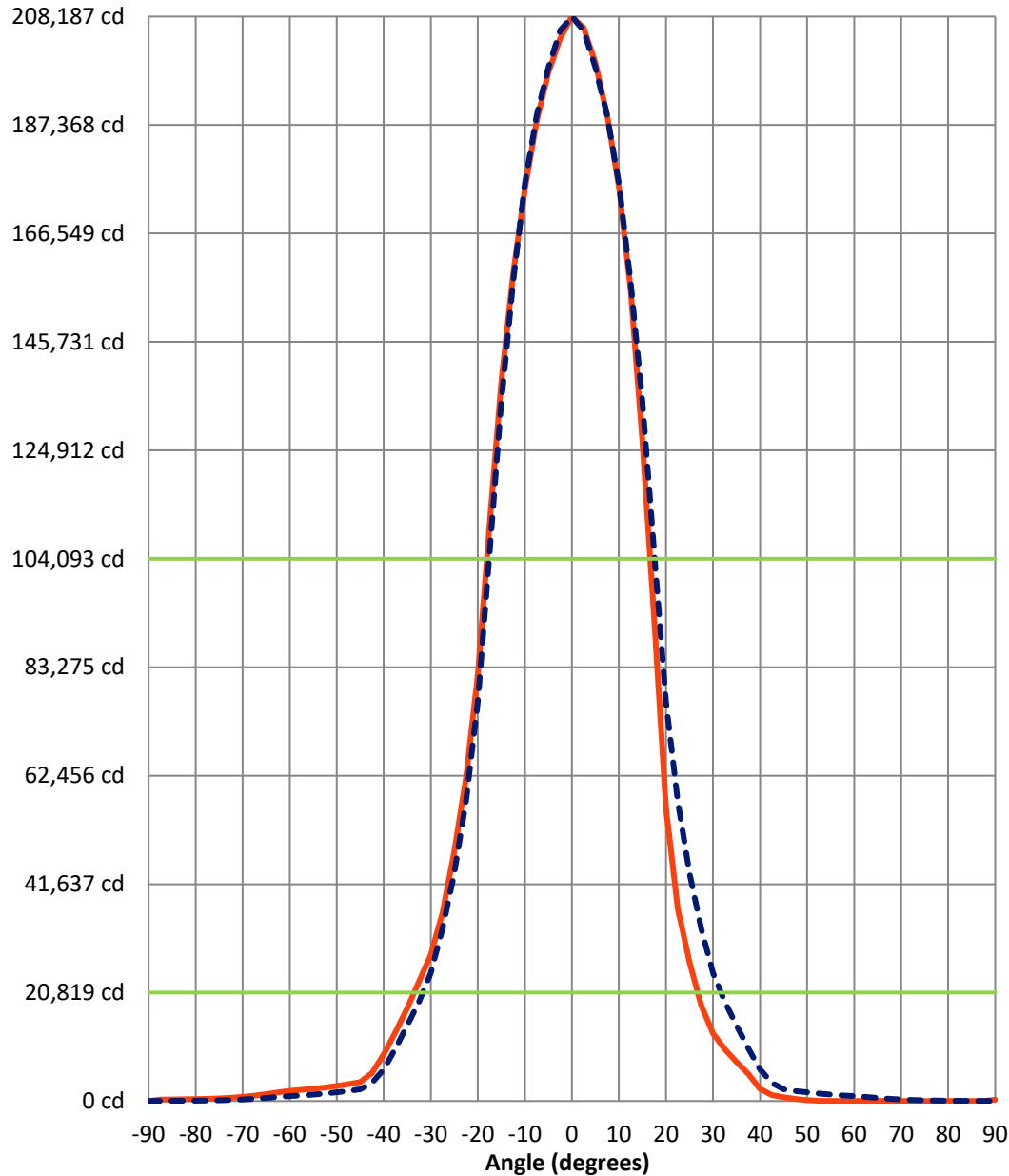
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 35.2°  
 V Angle: 34.7°  
 Lumens: 46352  
 Efficiency: 53.7%

**Field:**  
 H Angle: 63.4°  
 V Angle: 60.3°  
 Lumens: 75428.5  
 Efficiency: 87.3%

**Spill:**  
 Lumens: 10931.4  
 Efficiency: 12.7%

— 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°	9.3	17.5	25.7	42.2	58.7	73.6	88.6	100.5	112.3	120.0	127.7
87.5°	9.3	8.4	7.4	7.5	7.6	7.5	7.5	7.0	6.5	6.6	6.6
85°	9.3	8.6	7.6	7.7	7.9	7.9	7.7	7.3	6.9	7.0	7.0
82.5°	9.3	8.8	7.8	8.0	8.3	8.2	8.0	7.6	7.3	7.4	7.5
80°	9.3	9.0	8.0	8.3	8.7	8.6	8.3	8.2	8.0	8.0	7.9
77.5°	9.3	9.2	8.2	8.6	9.0	9.0	8.9	8.8	8.8	8.7	8.3
75°	9.3	9.4	8.4	8.8	9.4	9.4	9.4	9.5	9.5	9.1	8.4
72.5°	9.3	9.6	8.7	9.1	9.7	9.9	10.0	10.1	9.9	9.4	8.6
70°	9.3	9.8	8.9	9.4	10.1	10.3	10.6	10.6	10.4	9.8	9.4
67.5°	9.3	10.0	9.2	9.8	10.5	10.8	11.3	11.2	10.9	10.7	10.4
65°	9.3	10.2	9.5	10.2	10.9	11.5	12.1	11.9	12.2	11.6	11.7
62.5°	9.3	10.4	9.8	10.6	11.4	12.4	12.9	13.2	13.6	12.9	14.0
60°	9.3	10.6	10.1	11.0	11.8	13.4	13.9	15.0	15.2	16.3	16.6
57.5°	9.3	10.8	10.7	11.5	12.9	14.4	15.8	16.9	18.9	20.2	22.5
55°	9.3	11.0	11.3	11.9	14.1	15.5	18.0	19.2	23.5	25.6	30.2
52.5°	9.3	11.2	11.9	12.3	15.3	16.8	20.3	23.7	28.4	34.5	38.5
50°	9.3	11.4	12.6	12.8	16.5	19.2	22.6	28.8	34.7	44.1	49.9
47.5°	9.3	11.6	13.3	13.4	17.8	21.6	25.4	34.0	44.2	54.3	62.8
45°	9.3	11.9	14.0	14.4	19.2	24.1	30.1	39.4	54.2	66.9	76.5
42.5°	9.3	12.1	14.8	15.5	20.6	26.8	34.9	47.0	64.7	80.2	98.7
40°	9.3	12.3	15.6	17.0	22.4	29.6	39.9	56.4	76.1	94.1	124.3
37.5°	9.3	12.5	16.5	18.8	24.6	32.4	45.2	65.9	89.3	112.1	152.1
35°	9.3	12.8	17.3	20.7	26.8	36.2	50.5	75.6	103.1	137.8	185.7
32.5°	9.3	13.0	18.2	22.5	29.0	40.4	56.5	85.3	117.4	164.2	224.1
30°	9.3	13.2	19.1	24.4	31.2	44.6	64.4	95.3	132.1	191.0	260.7
27.5°	9.3	13.4	20.1	26.2	34.2	48.6	72.1	106.1	148.3	218.2	295.4
25°	9.3	13.6	21.0	28.1	37.2	52.6	79.5	116.5	167.0	246.6	328.4
22.5°	9.3	13.8	22.0	30.0	40.2	56.7	86.6	126.3	184.4	268.6	362.2
20°	9.3	14.0	22.9	31.8	43.1	61.4	93.5	135.6	200.6	289.2	389.4
17.5°	9.3	14.2	23.9	33.7	45.9	66.0	100.6	144.3	215.5	308.2	414.9
15°	9.3	14.4	24.8	35.5	48.7	70.4	107.6	153.0	229.1	325.7	438.9
12.5°	9.3	14.6	25.7	37.3	51.3	74.7	114.2	161.9	242.8	341.5	461.2
10°	9.3	14.8	26.6	39.0	53.8	78.7	120.4	170.1	256.2	362.0	485.7
7.5°	9.3	15.0	27.5	40.7	56.2	82.6	126.1	177.8	268.4	382.1	517.1
5°	9.3	15.1	28.4	42.3	58.6	86.2	131.3	184.8	279.3	400.8	546.7
2.5°	9.3	15.3	29.2	43.8	60.7	89.6	136.0	191.1	288.7	417.8	574.0
0°	9.3	15.4	29.9	45.3	62.8	92.7	140.1	196.7	296.6	432.6	598.4
-2.5°	9.3	16.0	31.0	47.2	65.7	96.4	144.9	203.4	307.0	444.8	610.6
-5°	9.3	16.5	32.1	49.0	68.5	99.9	149.2	209.3	315.7	454.5	619.5
-7.5°	9.3	17.0	33.1	50.8	71.1	103.0	152.8	214.3	322.5	461.6	625.2
-10°	9.3	17.5	34.1	52.4	73.6	105.8	155.8	218.4	327.1	466.0	627.6
-12.5°	9.3	18.0	35.0	53.9	75.8	108.3	158.2	221.4	329.6	467.7	630.4
-15°	9.3	18.5	35.8	55.3	77.9	110.4	159.9	223.4	329.2	465.6	630.2
-17.5°	9.3	18.9	36.6	56.5	79.7	112.2	160.9	224.7	326.0	460.5	624.9
-20°	9.3	19.3	37.3	57.6	81.3	113.6	161.7	225.4	320.8	452.2	614.1



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 CATALOG NUMBER: EPH-08-640L-40-80-4S-VHE-A

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	9.3	19.7	37.9	58.6	82.7	114.7	162.5	225.0	313.7	440.6	598.1
-25°	9.3	20.1	38.4	59.4	83.8	116.1	162.6	223.7	304.6	425.8	581.4
-27.5°	9.3	20.4	38.9	60.1	84.7	117.3	161.9	221.4	293.5	413.1	567.1
-30°	9.3	20.7	39.3	60.6	85.4	118.1	160.4	218.2	287.0	401.3	548.4
-32.5°	9.3	21.0	39.6	61.0	86.6	118.5	158.3	215.4	283.1	386.4	524.9
-35°	9.3	21.2	39.8	61.2	87.5	118.5	157.4	212.1	277.7	368.4	496.7
-37.5°	9.3	21.4	39.9	61.3	88.1	118.5	157.0	207.8	270.8	347.3	469.7
-40°	9.3	21.6	40.0	61.2	88.5	119.0	156.0	202.3	262.2	333.8	443.4
-42.5°	9.3	21.7	40.0	61.1	88.8	119.2	154.3	195.7	253.8	322.7	413.9
-45°	9.3	21.8	39.9	61.3	89.0	119.1	152.0	190.1	244.9	309.4	384.0
-47.5°	9.3	21.8	39.8	61.2	88.9	118.6	149.2	186.8	234.6	294.1	366.5
-50°	9.3	21.8	39.5	61.2	88.6	117.9	147.7	182.8	222.9	280.5	346.6
-52.5°	9.3	21.8	39.2	61.1	87.9	116.8	146.1	178.3	215.1	265.2	323.6
-55°	9.3	21.7	38.8	60.9	87.1	115.4	144.1	173.5	208.7	248.2	301.6
-57.5°	9.3	21.6	38.3	60.4	85.9	113.7	141.8	170.7	201.4	237.4	278.1
-60°	9.3	21.5	37.7	59.9	84.6	111.6	139.1	167.2	194.1	227.8	257.1
-62.5°	9.3	21.3	37.2	59.1	83.4	109.2	136.0	163.0	188.9	216.8	243.8
-65°	9.3	21.1	36.5	58.2	82.1	106.6	132.6	158.4	183.2	207.8	229.9
-67.5°	9.3	20.9	35.8	57.2	80.5	103.8	128.7	153.2	176.9	199.4	218.9
-70°	9.3	20.6	34.9	56.0	78.7	101.0	124.5	147.6	170.2	190.6	209.0
-72.5°	9.3	20.3	34.0	54.7	76.6	97.9	120.2	141.7	163.2	181.7	198.7
-75°	9.3	20.0	33.0	53.2	74.4	94.6	115.6	135.6	155.8	172.5	188.1
-77.5°	9.3	19.6	31.9	51.7	72.2	91.0	110.7	129.3	148.1	163.0	177.1
-80°	9.3	19.2	30.8	50.0	69.8	87.6	105.5	122.6	140.0	153.3	166.2
-82.5°	9.3	18.8	29.6	48.2	67.2	84.4	101.4	116.4	131.6	143.4	155.0
-85°	9.3	18.4	28.3	46.3	64.5	80.9	97.3	111.3	125.3	135.1	144.8
-87.5°	9.3	18.0	27.0	44.3	61.7	77.4	93.0	105.9	118.9	127.6	136.3
-90°	9.3	8.3	7.2	7.2	7.2	7.2	7.2	6.7	6.2	6.2	6.2



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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°	133.4	139.0	144.2	149.3	155.5	161.7	167.9	174.1	180.8	187.4	194.1
87.5°	6.1	5.7	5.7	5.7	5.2	4.7	4.4	4.1	4.1	4.1	4.0
85°	6.6	6.2	6.2	6.2	5.8	5.4	5.0	4.5	4.6	4.6	4.4
82.5°	7.1	6.7	6.5	6.2	6.1	6.1	5.7	5.3	5.2	5.1	4.8
80°	7.6	7.3	6.8	6.5	6.4	6.2	6.1	6.0	5.7	5.3	5.2
77.5°	7.8	7.3	7.1	7.1	6.8	6.3	6.2	6.2	6.1	6.0	5.8
75°	7.9	7.4	7.3	7.3	6.9	6.4	6.2	6.4	6.5	6.3	6.1
72.5°	8.3	8.0	7.7	7.4	7.2	6.9	6.9	7.1	7.7	8.2	8.7
70°	9.2	8.8	8.5	8.2	7.8	7.8	8.7	10.5	12.1	12.8	14.5
67.5°	10.2	9.9	9.6	9.3	9.4	10.2	11.4	15.2	18.5	20.8	23.3
65°	11.2	11.0	11.1	11.2	11.3	14.4	17.8	21.6	27.4	30.7	30.8
62.5°	12.6	14.2	13.5	14.4	17.3	20.6	25.8	32.6	39.9	42.9	41.0
60°	17.9	18.7	19.0	21.3	24.2	27.8	35.0	43.2	51.6	56.8	49.2
57.5°	24.6	25.6	27.6	28.9	32.1	34.2	42.7	52.7	58.2	61.4	52.8
55°	32.9	34.5	37.4	38.0	40.7	41.6	48.7	55.6	60.2	61.2	51.9
52.5°	43.7	45.5	49.6	50.2	50.3	51.2	52.2	59.8	63.4	62.4	53.9
50°	55.2	61.5	63.7	66.1	63.0	64.3	60.9	69.6	77.0	75.0	77.6
47.5°	72.1	80.1	83.4	87.6	85.4	92.4	89.9	106.5	112.3	145.6	153.0
45°	92.5	106.7	111.1	120.9	130.8	139.1	165.9	168.0	238.2	267.5	322.8
42.5°	117.2	139.3	157.3	160.9	208.7	234.2	271.5	332.8	394.4	450.8	488.3
40°	153.6	176.6	215.0	259.9	310.7	365.5	415.2	486.4	546.1	590.4	617.0
37.5°	195.2	238.8	291.2	372.2	440.7	496.6	553.2	614.7	670.8	709.8	760.6
35°	240.7	304.2	401.5	485.8	559.4	612.0	667.2	732.4	785.5	848.4	911.1
32.5°	296.0	371.1	493.1	584.1	643.9	706.2	769.8	838.5	914.5	991.9	1072.2
30°	350.8	446.4	565.6	660.2	718.1	790.6	867.9	948.4	1048.2	1145.8	1254.2
27.5°	393.8	511.0	624.4	722.2	789.6	875.5	969.9	1074.9	1193.3	1312.8	1456.9
25°	432.2	559.0	683.7	787.3	873.0	968.2	1079.1	1205.2	1346.0	1514.0	1967.2
22.5°	469.7	605.8	749.2	857.1	953.4	1061.0	1194.8	1341.9	1507.7	1730.9	2532.3
20°	508.2	658.9	811.8	915.2	1026.8	1147.4	1304.1	1474.8	1680.4	2207.5	3389.7
17.5°	547.7	713.6	865.2	966.1	1083.7	1230.7	1413.0	1605.5	1856.1	2653.9	4463.5
15°	586.3	765.2	907.9	1011.1	1140.9	1311.9	1515.5	1751.4	2167.2	3276.9	5539.4
12.5°	623.2	811.5	939.7	1049.8	1197.3	1388.5	1610.5	1875.4	2532.7	4117.6	6713.0
10°	657.9	852.5	967.3	1086.8	1252.3	1460.4	1695.7	1984.4	2851.8	4789.4	7642.0
7.5°	695.5	887.7	992.3	1121.9	1303.1	1526.1	1765.9	2068.4	3089.6	5304.6	8332.1
5°	729.6	916.2	1021.2	1163.0	1353.5	1585.5	1826.0	2138.7	3251.9	5631.1	8811.1
2.5°	759.3	939.0	1048.0	1202.1	1401.0	1637.5	1880.4	2209.1	3396.7	5907.1	9417.2
0°	<b>784.8</b>	<b>956.8</b>	<b>1072.1</b>	<b>1236.9</b>	<b>1441.9</b>	<b>1680.8</b>	<b>1924.9</b>	<b>2265.8</b>	<b>3493.5</b>	<b>6093.0</b>	<b>10120.0</b>
-2.5°	800.3	983.3	1112.3	1273.4	1475.7	1711.5	1965.2	2326.4	3591.5	6494.8	10387.7
-5°	811.5	1004.8	1148.4	1305.5	1503.0	1733.9	1994.6	2369.3	3633.7	6605.3	10309.7
-7.5°	818.0	1020.4	1179.3	1333.5	1527.5	1760.0	2041.1	2426.7	3652.9	6332.9	9867.9
-10°	821.4	1033.4	1199.5	1356.6	1550.1	1783.9	2077.3	2463.8	3574.4	5965.4	9359.6
-12.5°	830.2	1044.6	1215.6	1373.7	1565.2	1801.1	2105.5	2491.7	3395.7	5460.3	8661.0
-15°	832.5	1050.3	1229.1	1385.5	1580.9	1826.4	2126.9	2496.4	3137.5	4807.7	7769.0
-17.5°	827.9	1050.6	1238.4	1394.7	1588.8	1836.1	2133.6	2482.7	2944.7	4333.5	6871.5
-20°	815.8	1038.3	1241.3	1395.5	1585.8	1840.0	2137.0	2476.8	2897.6	3848.7	5783.2



REPORT NUMBER: P1305632 (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°	796.3	1018.9	1231.3	1394.1	1596.2	1841.7	2127.1	2440.1	2795.6	3263.8	4699.7
-25°	775.2	991.4	1205.2	1399.0	1598.1	1833.2	2085.5	2372.9	2701.2	3067.4	3926.7
-27.5°	752.6	959.2	1178.4	1392.8	1588.4	1801.1	2035.4	2304.8	2575.1	2870.9	3236.9
-30°	725.1	924.2	1142.5	1370.2	1565.3	1764.0	1980.1	2197.9	2440.2	2706.4	3016.5
-32.5°	692.3	883.0	1098.1	1323.0	1534.8	1721.0	1901.7	2097.3	2313.5	2548.2	2804.6
-35°	656.5	841.3	1045.9	1265.6	1497.6	1668.6	1825.6	1994.7	2186.3	2400.7	2638.9
-37.5°	620.3	793.3	984.6	1198.9	1424.5	1603.5	1745.0	1902.8	2071.4	2255.1	2476.6
-40°	579.2	737.9	920.8	1123.3	1323.4	1516.8	1672.3	1815.4	1963.6	2131.6	2312.5
-42.5°	534.9	684.0	851.0	1034.4	1216.2	1400.6	1595.3	1735.9	1868.6	2011.2	2169.8
-45°	498.0	624.5	775.5	938.7	1102.5	1281.1	1468.9	1656.9	1778.0	1901.5	2036.6
-47.5°	455.2	564.1	702.2	838.1	989.3	1157.7	1335.7	1510.0	1681.8	1802.0	1915.7
-50°	414.3	512.9	618.5	743.5	878.2	1033.7	1196.8	1356.1	1517.3	1680.0	1809.7
-52.5°	386.2	458.2	549.7	648.5	773.0	910.5	1053.4	1195.4	1346.8	1502.0	1651.5
-55°	355.8	417.5	482.7	566.7	669.2	791.6	910.5	1037.8	1167.8	1311.0	1456.6
-57.5°	326.9	378.0	429.2	493.0	579.3	672.8	777.1	881.5	999.4	1119.3	1244.0
-60°	298.3	340.2	383.7	434.6	494.0	572.9	648.4	739.4	837.2	935.9	1046.7
-62.5°	271.0	305.1	341.3	384.2	433.9	480.5	542.9	613.4	684.0	771.4	861.2
-65°	254.8	273.8	302.3	339.5	378.2	419.4	459.9	503.1	564.6	629.7	693.5
-67.5°	237.7	255.2	273.0	296.0	329.9	362.0	394.6	432.6	471.8	514.0	560.4
-70°	224.9	237.1	252.9	270.9	288.6	308.1	337.1	367.3	397.5	430.3	466.7
-72.5°	212.8	224.2	235.9	248.6	264.1	279.0	294.2	310.5	334.3	363.2	390.3
-75°	200.5	211.1	221.8	233.0	244.6	255.8	267.8	282.5	298.9	316.6	333.2
-77.5°	188.1	197.8	207.7	217.3	227.9	238.7	249.0	259.6	272.4	286.1	299.1
-80°	175.8	184.5	193.6	202.6	211.8	221.2	230.4	239.2	250.3	262.1	273.6
-82.5°	163.8	172.0	179.8	187.7	195.7	203.6	211.8	220.0	230.2	240.5	250.4
-85°	152.2	159.4	166.0	172.6	180.0	187.3	194.3	201.3	210.6	219.9	228.4
-87.5°	142.8	149.2	154.9	160.5	167.0	173.5	179.6	185.6	193.6	201.6	208.8
-90°	5.7	5.1	5.1	5.1	4.6	4.1	4.1	4.1	4.1	4.1	3.6



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	200.8	205.5	210.1	213.2	216.3	221.0	225.6	232.3	238.9	244.6	250.3
87.5°	3.9	3.5	3.1	3.0	3.0	3.0	3.0	2.6	2.1	2.1	2.1
85°	4.1	3.9	3.8	3.9	3.9	3.5	3.1	3.1	3.0	3.1	3.1
82.5°	4.6	4.4	4.1	4.1	4.1	4.0	3.9	3.6	3.1	3.1	3.1
80°	5.1	4.8	4.6	4.4	4.1	4.1	4.1	3.7	3.1	3.1	3.1
77.5°	5.3	5.2	5.1	4.7	4.2	4.1	4.1	3.7	3.2	3.1	3.1
75°	6.1	6.0	5.9	5.7	5.6	5.8	6.1	5.9	5.7	5.4	5.0
72.5°	9.3	9.3	9.1	9.6	10.2	10.6	10.9	11.2	11.7	12.4	13.3
70°	16.4	17.7	17.7	17.7	17.6	17.1	16.5	16.4	16.5	16.8	17.1
67.5°	24.7	25.8	26.2	26.4	24.1	22.6	22.0	22.0	23.0	24.8	27.5
65°	31.5	29.6	27.9	26.1	26.3	26.2	25.0	24.4	25.2	26.4	27.6
62.5°	37.6	29.8	24.9	22.4	22.9	23.6	21.4	19.6	19.1	18.7	18.8
60°	40.3	28.1	19.8	16.8	15.1	14.1	12.6	10.8	10.2	10.0	10.3
57.5°	40.7	26.7	15.8	12.4	9.5	7.4	6.2	5.3	5.4	5.2	5.1
55°	39.5	27.1	15.3	14.0	12.8	11.7	10.2	9.9	9.4	9.3	9.9
52.5°	40.9	37.9	31.0	30.0	36.7	36.9	31.8	39.1	44.1	47.9	49.7
50°	80.8	77.6	98.1	98.0	118.7	136.5	131.4	141.7	159.6	175.2	184.8
47.5°	188.8	203.6	234.3	261.9	292.9	332.2	349.6	362.0	377.6	398.7	412.7
45°	351.8	388.5	428.4	473.0	525.0	571.0	597.8	623.5	640.6	659.3	681.3
42.5°	522.3	566.2	625.3	678.6	734.9	788.6	830.9	868.2	941.0	1044.9	1127.4
40°	668.3	718.2	786.8	857.9	924.2	992.2	1179.2	1338.6	1537.2	1833.7	2096.5
37.5°	813.3	871.0	947.5	1034.6	1234.7	1437.2	1845.7	2286.9	2669.2	3097.9	3530.8
35°	971.3	1047.0	1149.5	1442.4	1812.7	2352.6	2938.4	3593.7	4149.9	4748.5	5625.5
32.5°	1157.7	1290.2	1621.3	2153.7	2817.8	3584.7	4311.3	5135.0	5829.8	6929.6	8269.0
30°	1398.2	1813.6	2449.1	3184.3	4080.3	5051.1	5962.1	7296.3	8855.1	10235.0	11374.5
27.5°	1978.3	2780.5	3667.8	4599.5	5721.6	6897.9	8808.0	10534.9	12212.0	13702.0	15432.9
25°	2844.3	4131.3	5647.7	6896.7	8421.5	10547.4	12707.3	14609.2	17158.2	19400.1	21915.0
22.5°	4069.3	5902.0	7855.1	9678.7	12020.3	14682.9	17588.9	21093.2	24634.1	28567.4	32066.6
20°	5265.0	7583.6	10057.1	12682.3	15681.1	19010.3	23760.5	29447.5	34903.9	41100.7	46326.0
17.5°	6857.2	9660.2	12585.5	15922.5	19778.0	24899.8	31911.1	39687.3	48125.0	57378.4	65935.3
15°	8476.3	11496.0	14895.1	19166.1	24619.5	31580.5	40525.3	51111.2	63450.6	77053.4	93591.0
12.5°	9803.3	13105.3	17080.0	22462.3	29594.8	38904.0	49741.3	62484.2	79401.1	99918.0	119131.6
10°	10937.0	14896.3	19918.9	26288.9	34678.5	45187.7	57498.8	73275.4	96063.4	119831.4	140916.5
7.5°	12104.8	16788.7	22107.9	29014.5	38553.5	50482.4	65642.2	86244.3	111317.1	135695.2	155031.2
5°	13206.3	18079.2	23489.1	30868.1	41183.7	53995.3	71195.9	96289.4	123574.0	147450.8	165616.7
2.5°	14069.1	18728.3	24216.6	32248.6	42605.5	55904.5	74677.3	102501.0	131122.5	154654.2	173282.1
0°	14516.7	19080.3	24620.2	33111.9	43784.9	57656.9	76673.2	105242.1	134193.1	157108.8	176095.3
-2.5°	14417.6	18910.4	24370.3	32445.6	43515.4	57973.9	78332.8	106670.7	134722.0	157946.0	175839.7
-5°	14209.3	18642.7	24027.3	31626.9	42550.3	57176.8	76530.8	102583.8	129675.1	153497.7	170893.2
-7.5°	13821.0	18194.5	23343.0	30429.3	40950.7	54801.6	72266.6	94905.7	120895.2	144763.7	161604.1
-10°	13249.9	17502.3	22361.2	28806.0	38255.1	50976.8	65825.2	83504.7	107816.8	130132.6	148844.4
-12.5°	12438.1	16522.9	20999.0	26537.1	34999.2	46210.6	59011.2	73700.8	91077.0	112598.8	130138.3
-15°	11405.0	15246.6	19405.9	24631.3	31707.0	40893.1	51685.7	63081.3	76399.6	91255.8	108352.1
-17.5°	10137.2	13745.8	17619.1	22124.0	27846.3	35553.5	44090.9	52982.7	62596.1	73528.8	83573.0
-20°	8625.4	11926.2	15576.3	19766.4	24669.7	30236.7	36442.8	43631.2	51082.7	58885.6	65789.4



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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°	7090.3	10101.3	13579.6	17243.5	21505.2	25754.5	29922.9	35267.7	41022.1	46671.1	51809.8
-25°	5547.7	8205.9	11440.0	14876.4	18297.0	21767.9	25152.4	28471.3	32612.2	36248.2	40019.8
-27.5°	4406.5	6395.0	9110.5	12109.5	15090.1	17986.3	20912.5	23684.8	26296.2	28492.1	31034.9
-30°	3465.4	4807.7	6905.5	9265.4	11873.4	14425.2	16946.8	19288.7	21345.1	23153.1	24918.9
-32.5°	3133.2	3681.3	4927.9	6721.2	8778.8	11017.5	13125.2	15136.7	16832.1	18512.3	20094.5
-35°	2898.3	3200.1	3607.7	4727.9	6067.9	7849.5	9501.6	11171.0	12594.8	14272.9	15570.4
-37.5°	2705.8	2938.3	3196.0	3460.2	4275.0	5167.0	6356.6	7607.9	8707.9	10115.5	11261.1
-40°	2519.5	2725.2	2926.7	3127.6	3344.2	3543.3	4251.4	4896.6	5642.8	6605.7	7429.6
-42.5°	2339.4	2520.5	2694.9	2858.2	3009.6	3140.3	3282.8	3419.4	3822.3	4313.1	4690.1
-45°	2177.6	2331.7	2477.7	2615.7	2731.1	2835.7	2945.4	3059.8	3209.6	3345.7	3458.1
-47.5°	2040.1	2161.9	2281.6	2394.0	2482.6	2571.9	2659.3	2757.9	2874.6	2988.9	3084.5
-50°	1915.8	2021.1	2111.9	2191.6	2265.3	2340.8	2410.4	2498.0	2591.9	2686.4	2765.5
-52.5°	1796.7	1890.4	1966.2	2026.9	2083.0	2144.6	2204.5	2274.4	2350.6	2430.1	2493.0
-55°	1596.4	1715.6	1825.8	1882.8	1926.7	1977.5	2028.3	2084.8	2149.2	2216.0	2265.8
-57.5°	1375.2	1492.8	1596.6	1670.5	1743.5	1818.0	1873.8	1918.2	1976.4	2033.4	2076.4
-60°	1153.0	1251.6	1343.3	1418.1	1494.2	1568.8	1631.5	1689.3	1761.3	1826.7	1880.0
-62.5°	946.2	1032.5	1103.2	1163.7	1228.6	1293.5	1353.2	1410.2	1475.6	1534.3	1584.2
-65°	758.2	830.6	882.9	930.4	982.0	1035.8	1083.1	1130.4	1182.9	1229.9	1270.8
-67.5°	613.1	661.1	693.7	723.9	764.9	806.7	843.8	881.4	921.6	957.2	988.2
-70°	501.9	531.8	552.0	575.2	604.3	631.0	655.4	682.9	712.4	739.7	764.4
-72.5°	416.1	436.6	451.7	470.2	488.7	505.7	521.1	540.9	562.4	583.5	603.5
-75°	348.6	361.9	376.3	389.6	402.3	414.6	426.0	441.9	458.5	474.3	489.4
-77.5°	312.7	322.6	330.7	338.1	345.1	353.0	360.9	374.3	388.8	401.0	412.5
-80°	284.9	292.7	299.4	305.1	310.3	316.8	323.3	334.3	345.7	356.0	366.0
-82.5°	260.1	266.7	272.9	278.1	283.1	288.7	294.2	303.8	313.6	322.4	331.0
-85°	236.8	242.6	248.0	252.7	257.3	262.5	267.5	275.9	284.2	292.0	299.7
-87.5°	216.0	221.0	226.1	229.6	233.0	238.0	243.0	250.4	257.8	264.7	271.5
-90°	3.1	3.1	3.1	2.6	2.1	2.1	2.1	2.1	2.1	1.6	1.0



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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°	253.4	256.4	257.0	257.5	257.0	256.4	253.4	250.3	244.6	238.9	232.3
87.5°	1.5	1.0	1.5	2.1	1.5	1.0	1.5	2.1	2.1	2.1	2.6
85°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.0	3.1
82.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.6
80°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.7
77.5°	2.7	2.1	2.6	3.1	2.6	2.1	2.7	3.1	3.1	3.2	3.7
75°	4.5	4.1	3.6	3.1	3.6	4.1	4.5	5.0	5.4	5.7	5.9
72.5°	13.8	14.1	14.8	15.4	14.8	14.1	13.8	13.3	12.4	11.7	11.2
70°	16.5	15.5	15.4	15.4	15.4	15.5	16.5	17.1	16.8	16.5	16.4
67.5°	29.5	31.2	31.8	31.9	31.8	31.2	29.5	27.5	24.8	23.0	22.0
65°	28.7	29.8	29.9	29.9	29.9	29.8	28.7	27.6	26.4	25.2	24.4
62.5°	19.2	19.8	20.1	20.6	20.1	19.8	19.2	18.8	18.7	19.1	19.6
60°	10.8	11.4	11.9	12.4	11.9	11.4	10.8	10.3	10.0	10.2	10.8
57.5°	5.0	5.2	5.6	6.2	5.6	5.2	5.0	5.1	5.2	5.4	5.3
55°	10.3	10.9	11.2	11.3	11.2	10.9	10.3	9.9	9.3	9.4	9.9
52.5°	48.8	46.4	44.6	43.3	44.6	46.4	48.8	49.7	47.9	44.1	39.1
50°	188.7	184.1	179.0	174.1	179.0	184.1	188.7	184.8	175.2	159.6	141.7
47.5°	421.1	417.3	409.6	399.6	409.6	417.3	421.1	412.7	398.7	377.6	362.0
45°	711.6	732.3	741.5	736.4	741.5	732.3	711.6	681.3	659.3	640.6	623.5
42.5°	1155.5	1173.7	1175.3	1148.4	1175.3	1173.7	1155.5	1127.4	1044.9	941.0	868.2
40°	2286.6	2445.0	2499.4	2335.9	2499.4	2445.0	2286.6	2096.5	1833.7	1537.2	1338.6
37.5°	4052.6	4675.2	5194.5	5214.5	5194.5	4675.2	4052.6	3530.8	3097.9	2669.2	2286.9
35°	6568.0	7208.5	7518.2	7505.0	7518.2	7208.5	6568.0	5625.5	4748.5	4149.9	3593.7
32.5°	9231.4	9716.7	10026.8	9952.1	10026.8	9716.7	9231.4	8269.0	6929.6	5829.8	5135.0
30°	12188.3	12638.5	12999.9	12994.5	12999.9	12638.5	12188.3	11374.5	10235.0	8855.1	7296.3
27.5°	16841.9	17769.7	18507.0	18382.0	18507.0	17769.7	16841.9	15432.9	13702.0	12212.0	10534.9
25°	24036.3	25733.3	26933.1	26686.2	26933.1	25733.3	24036.3	21915.0	19400.1	17158.2	14609.2
22.5°	34664.4	36841.3	37751.5	37029.7	37751.5	36841.3	34664.4	32066.6	28567.4	24634.1	21093.2
20°	51304.0	55340.1	57849.2	56353.0	57849.2	55340.1	51304.0	46326.0	41100.7	34903.9	29447.5
17.5°	77010.5	85766.3	92684.5	92493.8	92684.5	85766.3	77010.5	65935.3	57378.4	48125.0	39687.3
15°	107989.3	117955.1	125628.8	126516.1	125628.8	117955.1	107989.3	93591.0	77053.4	63450.6	51111.2
12.5°	135727.6	145862.9	153372.3	155533.0	153372.3	145862.9	135727.6	119131.6	99918.0	79401.1	62484.2
10°	155496.6	165610.9	172879.3	175442.4	172879.3	165610.9	155496.6	140916.5	119831.4	96063.4	73275.4
7.5°	169998.9	180972.0	186420.4	189205.2	186420.4	180972.0	169998.9	155031.2	135695.2	111317.1	86244.3
5°	180434.2	190632.5	195903.2	199277.7	195903.2	190632.5	180434.2	165616.7	147450.8	123574.0	96289.4
2.5°	187012.5	196640.4	202970.1	205996.9	202970.1	196640.4	187012.5	173282.1	154654.2	131122.5	102501.0
0°	189135.6	198378.6	205473.3	208186.5	205473.3	198378.6	189135.6	176095.3	157108.8	134193.1	105242.1
-2.5°	188148.1	197202.4	202860.8	203957.6	202860.8	197202.4	188148.1	175839.7	157946.0	134722.0	106670.7
-5°	183008.7	191353.8	196578.7	197437.3	196578.7	191353.8	183008.7	170893.2	153497.7	129675.1	102583.8
-7.5°	174148.5	182473.1	186791.9	188063.5	186791.9	182473.1	174148.5	161604.1	144763.7	120895.2	94905.7
-10°	161302.2	169344.6	173960.4	175055.1	173960.4	169344.6	161302.2	148844.4	130132.6	107816.8	83504.7
-12.5°	143773.0	152352.6	157518.6	158656.8	157518.6	152352.6	143773.0	130138.3	112598.8	91077.0	73700.8
-15°	121042.8	129868.1	136463.0	138058.4	136463.0	129868.1	121042.8	108352.1	91255.8	76399.6	63081.3
-17.5°	94841.7	103673.2	109599.2	110730.6	109599.2	103673.2	94841.7	83573.0	73528.8	62596.1	52982.7
-20°	72275.7	77955.4	81300.1	81882.6	81300.1	77955.4	72275.7	65789.4	58885.6	51082.7	43631.2



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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°	56009.2	59826.7	61863.0	62150.4	61863.0	59826.7	56009.2	51809.8	46671.1	41022.1	35267.7
-25°	43401.8	46175.5	47692.2	47944.7	47692.2	46175.5	43401.8	40019.8	36248.2	32612.2	28471.3
-27.5°	33325.1	35048.1	36459.4	36165.6	36459.4	35048.1	33325.1	31034.9	28492.1	26296.2	23684.8
-30°	26369.7	27474.8	28308.3	28090.0	28308.3	27474.8	26369.7	24918.9	23153.1	21345.1	19288.7
-32.5°	21342.8	22208.6	22794.6	22950.7	22794.6	22208.6	21342.8	20094.5	18512.3	16832.1	15136.7
-35°	16588.6	17296.1	17702.1	17859.8	17702.1	17296.1	16588.6	15570.4	14272.9	12594.8	11171.0
-37.5°	12111.4	12731.9	13119.4	13254.0	13119.4	12731.9	12111.4	11261.1	10115.5	8707.9	7607.9
-40°	8060.4	8538.6	8856.0	8978.8	8856.0	8538.6	8060.4	7429.6	6605.7	5642.8	4896.6
-42.5°	4983.7	5207.6	5349.3	5393.7	5349.3	5207.6	4983.7	4690.1	4313.1	3822.3	3419.4
-45°	3545.0	3606.8	3642.2	3649.0	3642.2	3606.8	3545.0	3458.1	3345.7	3209.6	3059.8
-47.5°	3159.2	3207.9	3232.8	3233.9	3232.8	3207.9	3159.2	3084.5	2988.9	2874.6	2757.9
-50°	2830.8	2875.9	2898.7	2900.2	2898.7	2875.9	2830.8	2765.5	2686.4	2591.9	2498.0
-52.5°	2544.4	2580.4	2597.1	2597.5	2597.1	2580.4	2544.4	2493.0	2430.1	2350.6	2274.4
-55°	2306.7	2334.7	2345.1	2343.1	2345.1	2334.7	2306.7	2265.8	2216.0	2149.2	2084.8
-57.5°	2112.2	2139.6	2148.2	2145.3	2148.2	2139.6	2112.2	2076.4	2033.4	1976.4	1918.2
-60°	1921.5	1950.8	1961.9	1961.0	1961.9	1950.8	1921.5	1880.0	1826.7	1761.3	1689.3
-62.5°	1619.9	1642.4	1654.5	1658.2	1654.5	1642.4	1619.9	1584.2	1534.3	1475.6	1410.2
-65°	1299.0	1316.9	1326.5	1329.6	1326.5	1316.9	1299.0	1270.8	1229.9	1182.9	1130.4
-67.5°	1008.2	1021.1	1027.3	1028.9	1027.3	1021.1	1008.2	988.2	957.2	921.6	881.4
-70°	779.7	790.3	795.3	797.2	795.3	790.3	779.7	764.4	739.7	712.4	682.9
-72.5°	615.0	623.4	626.8	628.2	626.8	623.4	615.0	603.5	583.5	562.4	540.9
-75°	496.6	501.6	503.7	504.7	503.7	501.6	496.6	489.4	474.3	458.5	441.9
-77.5°	418.8	424.2	426.1	427.4	426.1	424.2	418.8	412.5	401.0	388.8	374.3
-80°	370.5	374.3	375.8	376.9	375.8	374.3	370.5	366.0	356.0	345.7	334.3
-82.5°	336.3	341.4	341.8	341.9	341.8	341.4	336.3	331.0	322.4	313.6	303.8
-85°	303.8	307.7	308.4	309.0	308.4	307.7	303.8	299.7	292.0	284.2	275.9
-87.5°	275.3	279.0	279.1	279.1	279.1	279.0	275.3	271.5	264.7	257.8	250.4
-90°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.6	2.1	2.1



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	225.6	221.0	216.3	213.2	210.1	205.5	200.8	194.1	187.4	180.8	174.1
87.5°	3.0	3.0	3.0	3.0	3.1	3.5	3.9	4.0	4.1	4.1	4.1
85°	3.1	3.5	3.9	3.9	3.8	3.9	4.1	4.4	4.6	4.6	4.5
82.5°	3.9	4.0	4.1	4.1	4.1	4.4	4.6	4.8	5.1	5.2	5.3
80°	4.1	4.1	4.1	4.4	4.6	4.8	5.1	5.2	5.3	5.7	6.0
77.5°	4.1	4.1	4.2	4.7	5.1	5.2	5.3	5.8	6.0	6.1	6.2
75°	6.1	5.8	5.6	5.7	5.9	6.0	6.1	6.1	6.3	6.5	6.4
72.5°	10.9	10.6	10.2	9.6	9.1	9.3	9.3	8.7	8.2	7.7	7.1
70°	16.5	17.1	17.6	17.7	17.7	17.7	16.4	14.5	12.8	12.1	10.5
67.5°	22.0	22.6	24.1	26.4	26.2	25.8	24.7	23.3	20.8	18.5	15.2
65°	25.0	26.2	26.3	26.1	27.9	29.6	31.5	30.8	30.7	27.4	21.6
62.5°	21.4	23.6	22.9	22.4	24.9	29.8	37.6	41.0	42.9	39.9	32.6
60°	12.6	14.1	15.1	16.8	19.8	28.1	40.3	49.2	56.8	51.6	43.2
57.5°	6.2	7.4	9.5	12.4	15.8	26.7	40.7	52.8	61.4	58.2	52.7
55°	10.2	11.7	12.8	14.0	15.3	27.1	39.5	51.9	61.2	60.2	55.6
52.5°	31.8	36.9	36.7	30.0	31.0	37.9	40.9	53.9	62.4	63.4	59.8
50°	131.4	136.5	118.7	98.0	98.1	77.6	80.8	77.6	75.0	77.0	69.6
47.5°	349.6	332.2	292.9	261.9	234.3	203.6	188.8	153.0	145.6	112.3	106.5
45°	597.8	571.0	525.0	473.0	428.4	388.5	351.8	322.8	267.5	238.2	168.0
42.5°	830.9	788.6	734.9	678.6	625.3	566.2	522.3	488.3	450.8	394.4	332.8
40°	1179.2	992.2	924.2	857.9	786.8	718.2	668.3	617.0	590.4	546.1	486.4
37.5°	1845.7	1437.2	1234.7	1034.6	947.5	871.0	813.3	760.6	709.8	670.8	614.7
35°	2938.4	2352.6	1812.7	1442.4	1149.5	1047.0	971.3	911.1	848.4	785.5	732.4
32.5°	4311.3	3584.7	2817.8	2153.7	1621.3	1290.2	1157.7	1072.2	991.9	914.5	838.5
30°	5962.1	5051.1	4080.3	3184.3	2449.1	1813.6	1398.2	1254.2	1145.8	1048.2	948.4
27.5°	8808.0	6897.9	5721.6	4599.5	3667.8	2780.5	1978.3	1456.9	1312.8	1193.3	1074.9
25°	12707.3	10547.4	8421.5	6896.7	5647.7	4131.3	2844.3	1967.2	1514.0	1346.0	1205.2
22.5°	17588.9	14682.9	12020.3	9678.7	7855.1	5902.0	4069.3	2532.3	1730.9	1507.7	1341.9
20°	23760.5	19010.3	15681.1	12682.3	10057.1	7583.6	5265.0	3389.7	2207.5	1680.4	1474.8
17.5°	31911.1	24899.8	19778.0	15922.5	12585.5	9660.2	6857.2	4463.5	2653.9	1856.1	1605.5
15°	40525.3	31580.5	24619.5	19166.1	14895.1	11496.0	8476.3	5539.4	3276.9	2167.2	1751.4
12.5°	49741.3	38904.0	29594.8	22462.3	17080.0	13105.3	9803.3	6713.0	4117.6	2532.7	1875.4
10°	57498.8	45187.7	34678.5	26288.9	19918.9	14896.3	10937.0	7642.0	4789.4	2851.8	1984.4
7.5°	65642.2	50482.4	38553.5	29014.5	22107.9	16788.7	12104.8	8332.1	5304.6	3089.6	2068.4
5°	71195.9	53995.3	41183.7	30868.1	23489.1	18079.2	13206.3	8811.1	5631.1	3251.9	2138.7
2.5°	74677.3	55904.5	42605.5	32248.6	24216.6	18728.3	14069.1	9417.2	5907.1	3396.7	2209.1
0°	76673.2	57656.9	43784.9	33111.9	24620.2	19080.3	14516.7	10120.0	6093.0	3493.5	2265.8
-2.5°	78332.8	57973.9	43515.4	32445.6	24370.3	18910.4	14417.6	10387.7	6494.8	3591.5	2326.4
-5°	76530.8	57176.8	42550.3	31626.9	24027.3	18642.7	14209.3	10309.7	6605.3	3633.7	2369.3
-7.5°	72266.6	54801.6	40950.7	30429.3	23343.0	18194.5	13821.0	9867.9	6332.9	3652.9	2426.7
-10°	65825.2	50976.8	38255.1	28806.0	22361.2	17502.3	13249.9	9359.6	5965.4	3574.4	2463.8
-12.5°	59011.2	46210.6	34999.2	26537.1	20999.0	16522.9	12438.1	8661.0	5460.3	3395.7	2491.7
-15°	51685.7	40893.1	31707.0	24631.3	19405.9	15246.6	11405.0	7769.0	4807.7	3137.5	2496.4
-17.5°	44090.9	35553.5	27846.3	22124.0	17619.1	13745.8	10137.2	6871.5	4333.5	2944.7	2482.7
-20°	36442.8	30236.7	24669.7	19766.4	15576.3	11926.2	8625.4	5783.2	3848.7	2897.6	2476.8



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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°	29922.9	25754.5	21505.2	17243.5	13579.6	10101.3	7090.3	4699.7	3263.8	2795.6	2440.1
-25°	25152.4	21767.9	18297.0	14876.4	11440.0	8205.9	5547.7	3926.7	3067.4	2701.2	2372.9
-27.5°	20912.5	17986.3	15090.1	12109.5	9110.5	6395.0	4406.5	3236.9	2870.9	2575.1	2304.8
-30°	16946.8	14425.2	11873.4	9265.4	6905.5	4807.7	3465.4	3016.5	2706.4	2440.2	2197.9
-32.5°	13125.2	11017.5	8778.8	6721.2	4927.9	3681.3	3133.2	2804.6	2548.2	2313.5	2097.3
-35°	9501.6	7849.5	6067.9	4727.9	3607.7	3200.1	2898.3	2638.9	2400.7	2186.3	1994.7
-37.5°	6356.6	5167.0	4275.0	3460.2	3196.0	2938.3	2705.8	2476.6	2255.1	2071.4	1902.8
-40°	4251.4	3543.3	3344.2	3127.6	2926.7	2725.2	2519.5	2312.5	2131.6	1963.6	1815.4
-42.5°	3282.8	3140.3	3009.6	2858.2	2694.9	2520.5	2339.4	2169.8	2011.2	1868.6	1735.9
-45°	2945.4	2835.7	2731.1	2615.7	2477.7	2331.7	2177.6	2036.6	1901.5	1778.0	1656.9
-47.5°	2659.3	2571.9	2482.6	2394.0	2281.6	2161.9	2040.1	1915.7	1802.0	1681.8	1510.0
-50°	2410.4	2340.8	2265.3	2191.6	2111.9	2021.1	1915.8	1809.7	1680.0	1517.3	1356.1
-52.5°	2204.5	2144.6	2083.0	2026.9	1966.2	1890.4	1796.7	1651.5	1502.0	1346.8	1195.4
-55°	2028.3	1977.5	1926.7	1882.8	1825.8	1715.6	1596.4	1456.6	1311.0	1167.8	1037.8
-57.5°	1873.8	1818.0	1743.5	1670.5	1596.6	1492.8	1375.2	1244.0	1119.3	999.4	881.5
-60°	1631.5	1568.8	1494.2	1418.1	1343.3	1251.6	1153.0	1046.7	935.9	837.2	739.4
-62.5°	1353.2	1293.5	1228.6	1163.7	1103.2	1032.5	946.2	861.2	771.4	684.0	613.4
-65°	1083.1	1035.8	982.0	930.4	882.9	830.6	758.2	693.5	629.7	564.6	503.1
-67.5°	843.8	806.7	764.9	723.9	693.7	661.1	613.1	560.4	514.0	471.8	432.6
-70°	655.4	631.0	604.3	575.2	552.0	531.8	501.9	466.7	430.3	397.5	367.3
-72.5°	521.1	505.7	488.7	470.2	451.7	436.6	416.1	390.3	363.2	334.3	310.5
-75°	426.0	414.6	402.3	389.6	376.3	361.9	348.6	333.2	316.6	298.9	282.5
-77.5°	360.9	353.0	345.1	338.1	330.7	322.6	312.7	299.1	286.1	272.4	259.6
-80°	323.3	316.8	310.3	305.1	299.4	292.7	284.9	273.6	262.1	250.3	239.2
-82.5°	294.2	288.7	283.1	278.1	272.9	266.7	260.1	250.4	240.5	230.2	220.0
-85°	267.5	262.5	257.3	252.7	248.0	242.6	236.8	228.4	219.9	210.6	201.3
-87.5°	243.0	238.0	233.0	229.6	226.1	221.0	216.0	208.8	201.6	193.6	185.6
-90°	2.1	2.1	2.1	2.6	3.1	3.1	3.1	3.6	4.1	4.1	4.1



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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°	167.9	161.7	155.5	149.3	144.2	139.0	133.4	127.7	120.0	112.3	100.5
87.5°	4.4	4.7	5.2	5.7	5.7	5.7	6.1	6.6	6.6	6.5	7.0
85°	5.0	5.4	5.8	6.2	6.2	6.2	6.6	7.0	7.0	6.9	7.3
82.5°	5.7	6.1	6.1	6.2	6.5	6.7	7.1	7.5	7.4	7.3	7.6
80°	6.1	6.2	6.4	6.5	6.8	7.3	7.6	7.9	8.0	8.0	8.2
77.5°	6.2	6.3	6.8	7.1	7.1	7.3	7.8	8.3	8.7	8.8	8.8
75°	6.2	6.4	6.9	7.3	7.3	7.4	7.9	8.4	9.1	9.5	9.5
72.5°	6.9	6.9	7.2	7.4	7.7	8.0	8.3	8.6	9.4	9.9	10.1
70°	8.7	7.8	7.8	8.2	8.5	8.8	9.2	9.4	9.8	10.4	10.6
67.5°	11.4	10.2	9.4	9.3	9.6	9.9	10.2	10.4	10.7	10.9	11.2
65°	17.8	14.4	11.3	11.2	11.1	11.0	11.2	11.7	11.6	12.2	11.9
62.5°	25.8	20.6	17.3	14.4	13.5	14.2	12.6	14.0	12.9	13.6	13.2
60°	35.0	27.8	24.2	21.3	19.0	18.7	17.9	16.6	16.3	15.2	15.0
57.5°	42.7	34.2	32.1	28.9	27.6	25.6	24.6	22.5	20.2	18.9	16.9
55°	48.7	41.6	40.7	38.0	37.4	34.5	32.9	30.2	25.6	23.5	19.2
52.5°	52.2	51.2	50.3	50.2	49.6	45.5	43.7	38.5	34.5	28.4	23.7
50°	60.9	64.3	63.0	66.1	63.7	61.5	55.2	49.9	44.1	34.7	28.8
47.5°	89.9	92.4	85.4	87.6	83.4	80.1	72.1	62.8	54.3	44.2	34.0
45°	165.9	139.1	130.8	120.9	111.1	106.7	92.5	76.5	66.9	54.2	39.4
42.5°	271.5	234.2	208.7	160.9	157.3	139.3	117.2	98.7	80.2	64.7	47.0
40°	415.2	365.5	310.7	259.9	215.0	176.6	153.6	124.3	94.1	76.1	56.4
37.5°	553.2	496.6	440.7	372.2	291.2	238.8	195.2	152.1	112.1	89.3	65.9
35°	667.2	612.0	559.4	485.8	401.5	304.2	240.7	185.7	137.8	103.1	75.6
32.5°	769.8	706.2	643.9	584.1	493.1	371.1	296.0	224.1	164.2	117.4	85.3
30°	867.9	790.6	718.1	660.2	565.6	446.4	350.8	260.7	191.0	132.1	95.3
27.5°	969.9	875.5	789.6	722.2	624.4	511.0	393.8	295.4	218.2	148.3	106.1
25°	1079.1	968.2	873.0	787.3	683.7	559.0	432.2	328.4	246.6	167.0	116.5
22.5°	1194.8	1061.0	953.4	857.1	749.2	605.8	469.7	362.2	268.6	184.4	126.3
20°	1304.1	1147.4	1026.8	915.2	811.8	658.9	508.2	389.4	289.2	200.6	135.6
17.5°	1413.0	1230.7	1083.7	966.1	865.2	713.6	547.7	414.9	308.2	215.5	144.3
15°	1515.5	1311.9	1140.9	1011.1	907.9	765.2	586.3	438.9	325.7	229.1	153.0
12.5°	1610.5	1388.5	1197.3	1049.8	939.7	811.5	623.2	461.2	341.5	242.8	161.9
10°	1695.7	1460.4	1252.3	1086.8	967.3	852.5	657.9	485.7	362.0	256.2	170.1
7.5°	1765.9	1526.1	1303.1	1121.9	992.3	887.7	695.5	517.1	382.1	268.4	177.8
5°	1826.0	1585.5	1353.5	1163.0	1021.2	916.2	729.6	546.7	400.8	279.3	184.8
2.5°	1880.4	1637.5	1401.0	1202.1	1048.0	939.0	759.3	574.0	417.8	288.7	191.1
0°	1924.9	1680.8	1441.9	1236.9	1072.1	956.8	784.8	598.4	432.6	296.6	196.7
-2.5°	1965.2	1711.5	1475.7	1273.4	1112.3	983.3	800.3	610.6	444.8	307.0	203.4
-5°	1994.6	1733.9	1503.0	1305.5	1148.4	1004.8	811.5	619.5	454.5	315.7	209.3
-7.5°	2041.1	1760.0	1527.5	1333.5	1179.3	1020.4	818.0	625.2	461.6	322.5	214.3
-10°	2077.3	1783.9	1550.1	1356.6	1199.5	1033.4	821.4	627.6	466.0	327.1	218.4
-12.5°	2105.5	1801.1	1565.2	1373.7	1215.6	1044.6	830.2	630.4	467.7	329.6	221.4
-15°	2126.9	1826.4	1580.9	1385.5	1229.1	1050.3	832.5	630.2	465.6	329.2	223.4
-17.5°	2133.6	1836.1	1588.8	1394.7	1238.4	1050.6	827.9	624.9	460.5	326.0	224.7
-20°	2137.0	1840.0	1585.8	1395.5	1241.3	1038.3	815.8	614.1	452.2	320.8	225.4



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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°	2127.1	1841.7	1596.2	1394.1	1231.3	1018.9	796.3	598.1	440.6	313.7	225.0
-25°	2085.5	1833.2	1598.1	1399.0	1205.2	991.4	775.2	581.4	425.8	304.6	223.7
-27.5°	2035.4	1801.1	1588.4	1392.8	1178.4	959.2	752.6	567.1	413.1	293.5	221.4
-30°	1980.1	1764.0	1565.3	1370.2	1142.5	924.2	725.1	548.4	401.3	287.0	218.2
-32.5°	1901.7	1721.0	1534.8	1323.0	1098.1	883.0	692.3	524.9	386.4	283.1	215.4
-35°	1825.6	1668.6	1497.6	1265.6	1045.9	841.3	656.5	496.7	368.4	277.7	212.1
-37.5°	1745.0	1603.5	1424.5	1198.9	984.6	793.3	620.3	469.7	347.3	270.8	207.8
-40°	1672.3	1516.8	1323.4	1123.3	920.8	737.9	579.2	443.4	333.8	262.2	202.3
-42.5°	1595.3	1400.6	1216.2	1034.4	851.0	684.0	534.9	413.9	322.7	253.8	195.7
-45°	1468.9	1281.1	1102.5	938.7	775.5	624.5	498.0	384.0	309.4	244.9	190.1
-47.5°	1335.7	1157.7	989.3	838.1	702.2	564.1	455.2	366.5	294.1	234.6	186.8
-50°	1196.8	1033.7	878.2	743.5	618.5	512.9	414.3	346.6	280.5	222.9	182.8
-52.5°	1053.4	910.5	773.0	648.5	549.7	458.2	386.2	323.6	265.2	215.1	178.3
-55°	910.5	791.6	669.2	566.7	482.7	417.5	355.8	301.6	248.2	208.7	173.5
-57.5°	777.1	672.8	579.3	493.0	429.2	378.0	326.9	278.1	237.4	201.4	170.7
-60°	648.4	572.9	494.0	434.6	383.7	340.2	298.3	257.1	227.8	194.1	167.2
-62.5°	542.9	480.5	433.9	384.2	341.3	305.1	271.0	243.8	216.8	188.9	163.0
-65°	459.9	419.4	378.2	339.5	302.3	273.8	254.8	229.9	207.8	183.2	158.4
-67.5°	394.6	362.0	329.9	296.0	273.0	255.2	237.7	218.9	199.4	176.9	153.2
-70°	337.1	308.1	288.6	270.9	252.9	237.1	224.9	209.0	190.6	170.2	147.6
-72.5°	294.2	279.0	264.1	248.6	235.9	224.2	212.8	198.7	181.7	163.2	141.7
-75°	267.8	255.8	244.6	233.0	221.8	211.1	200.5	188.1	172.5	155.8	135.6
-77.5°	249.0	238.7	227.9	217.3	207.7	197.8	188.1	177.1	163.0	148.1	129.3
-80°	230.4	221.2	211.8	202.6	193.6	184.5	175.8	166.2	153.3	140.0	122.6
-82.5°	211.8	203.6	195.7	187.7	179.8	172.0	163.8	155.0	143.4	131.6	116.4
-85°	194.3	187.3	180.0	172.6	166.0	159.4	152.2	144.8	135.1	125.3	111.3
-87.5°	179.6	173.5	167.0	160.5	154.9	149.2	142.8	136.3	127.6	118.9	105.9
-90°	4.1	4.1	4.6	5.1	5.1	5.1	5.7	6.2	6.2	6.2	6.7



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	88.6	73.6	58.7	42.2	25.7	17.5	9.3
87.5°	7.5	7.5	7.6	7.5	7.4	8.4	9.3
85°	7.7	7.9	7.9	7.7	7.6	8.6	9.3
82.5°	8.0	8.2	8.3	8.0	7.8	8.8	9.3
80°	8.3	8.6	8.7	8.3	8.0	9.0	9.3
77.5°	8.9	9.0	9.0	8.6	8.2	9.2	9.3
75°	9.4	9.4	9.4	8.8	8.4	9.4	9.3
72.5°	10.0	9.9	9.7	9.1	8.7	9.6	9.3
70°	10.6	10.3	10.1	9.4	8.9	9.8	9.3
67.5°	11.3	10.8	10.5	9.8	9.2	10.0	9.3
65°	12.1	11.5	10.9	10.2	9.5	10.2	9.3
62.5°	12.9	12.4	11.4	10.6	9.8	10.4	9.3
60°	13.9	13.4	11.8	11.0	10.1	10.6	9.3
57.5°	15.8	14.4	12.9	11.5	10.7	10.8	9.3
55°	18.0	15.5	14.1	11.9	11.3	11.0	9.3
52.5°	20.3	16.8	15.3	12.3	11.9	11.2	9.3
50°	22.6	19.2	16.5	12.8	12.6	11.4	9.3
47.5°	25.4	21.6	17.8	13.4	13.3	11.6	9.3
45°	30.1	24.1	19.2	14.4	14.0	11.9	9.3
42.5°	34.9	26.8	20.6	15.5	14.8	12.1	9.3
40°	39.9	29.6	22.4	17.0	15.6	12.3	9.3
37.5°	45.2	32.4	24.6	18.8	16.5	12.5	9.3
35°	50.5	36.2	26.8	20.7	17.3	12.8	9.3
32.5°	56.5	40.4	29.0	22.5	18.2	13.0	9.3
30°	64.4	44.6	31.2	24.4	19.1	13.2	9.3
27.5°	72.1	48.6	34.2	26.2	20.1	13.4	9.3
25°	79.5	52.6	37.2	28.1	21.0	13.6	9.3
22.5°	86.6	56.7	40.2	30.0	22.0	13.8	9.3
20°	93.5	61.4	43.1	31.8	22.9	14.0	9.3
17.5°	100.6	66.0	45.9	33.7	23.9	14.2	9.3
15°	107.6	70.4	48.7	35.5	24.8	14.4	9.3
12.5°	114.2	74.7	51.3	37.3	25.7	14.6	9.3
10°	120.4	78.7	53.8	39.0	26.6	14.8	9.3
7.5°	126.1	82.6	56.2	40.7	27.5	15.0	9.3
5°	131.3	86.2	58.6	42.3	28.4	15.1	9.3
2.5°	136.0	89.6	60.7	43.8	29.2	15.3	9.3
0°	140.1	92.7	62.8	45.3	29.9	15.4	9.3
-2.5°	144.9	96.4	65.7	47.2	31.0	16.0	9.3
-5°	149.2	99.9	68.5	49.0	32.1	16.5	9.3
-7.5°	152.8	103.0	71.1	50.8	33.1	17.0	9.3
-10°	155.8	105.8	73.6	52.4	34.1	17.5	9.3
-12.5°	158.2	108.3	75.8	53.9	35.0	18.0	9.3
-15°	159.9	110.4	77.9	55.3	35.8	18.5	9.3
-17.5°	160.9	112.2	79.7	56.5	36.6	18.9	9.3
-20°	161.7	113.6	81.3	57.6	37.3	19.3	9.3



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	162.5	114.7	82.7	58.6	37.9	19.7	9.3
-25°	162.6	116.1	83.8	59.4	38.4	20.1	9.3
-27.5°	161.9	117.3	84.7	60.1	38.9	20.4	9.3
-30°	160.4	118.1	85.4	60.6	39.3	20.7	9.3
-32.5°	158.3	118.5	86.6	61.0	39.6	21.0	9.3
-35°	157.4	118.5	87.5	61.2	39.8	21.2	9.3
-37.5°	157.0	118.5	88.1	61.3	39.9	21.4	9.3
-40°	156.0	119.0	88.5	61.2	40.0	21.6	9.3
-42.5°	154.3	119.2	88.8	61.1	40.0	21.7	9.3
-45°	152.0	119.1	89.0	61.3	39.9	21.8	9.3
-47.5°	149.2	118.6	88.9	61.2	39.8	21.8	9.3
-50°	147.7	117.9	88.6	61.2	39.5	21.8	9.3
-52.5°	146.1	116.8	87.9	61.1	39.2	21.8	9.3
-55°	144.1	115.4	87.1	60.9	38.8	21.7	9.3
-57.5°	141.8	113.7	85.9	60.4	38.3	21.6	9.3
-60°	139.1	111.6	84.6	59.9	37.7	21.5	9.3
-62.5°	136.0	109.2	83.4	59.1	37.2	21.3	9.3
-65°	132.6	106.6	82.1	58.2	36.5	21.1	9.3
-67.5°	128.7	103.8	80.5	57.2	35.8	20.9	9.3
-70°	124.5	101.0	78.7	56.0	34.9	20.6	9.3
-72.5°	120.2	97.9	76.6	54.7	34.0	20.3	9.3
-75°	115.6	94.6	74.4	53.2	33.0	20.0	9.3
-77.5°	110.7	91.0	72.2	51.7	31.9	19.6	9.3
-80°	105.5	87.6	69.8	50.0	30.8	19.2	9.3
-82.5°	101.4	84.4	67.2	48.2	29.6	18.8	9.3
-85°	97.3	80.9	64.5	46.3	28.3	18.4	9.3
-87.5°	93.0	77.4	61.7	44.3	27.0	18.0	9.3
-90°	7.2	7.2	7.2	7.2	7.2	8.3	9.3

(END OF REPORT)