

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: P1306316 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-680N-40-80-4S-VHE-A**

Issue Date: 2/3/2026

Test Information

Test Method: LM-79-08
Report Number: P1306316 (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-08-680N-40-80-4S-VHE-A
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 4S BEAM SHAPE WITH ANODIZED CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

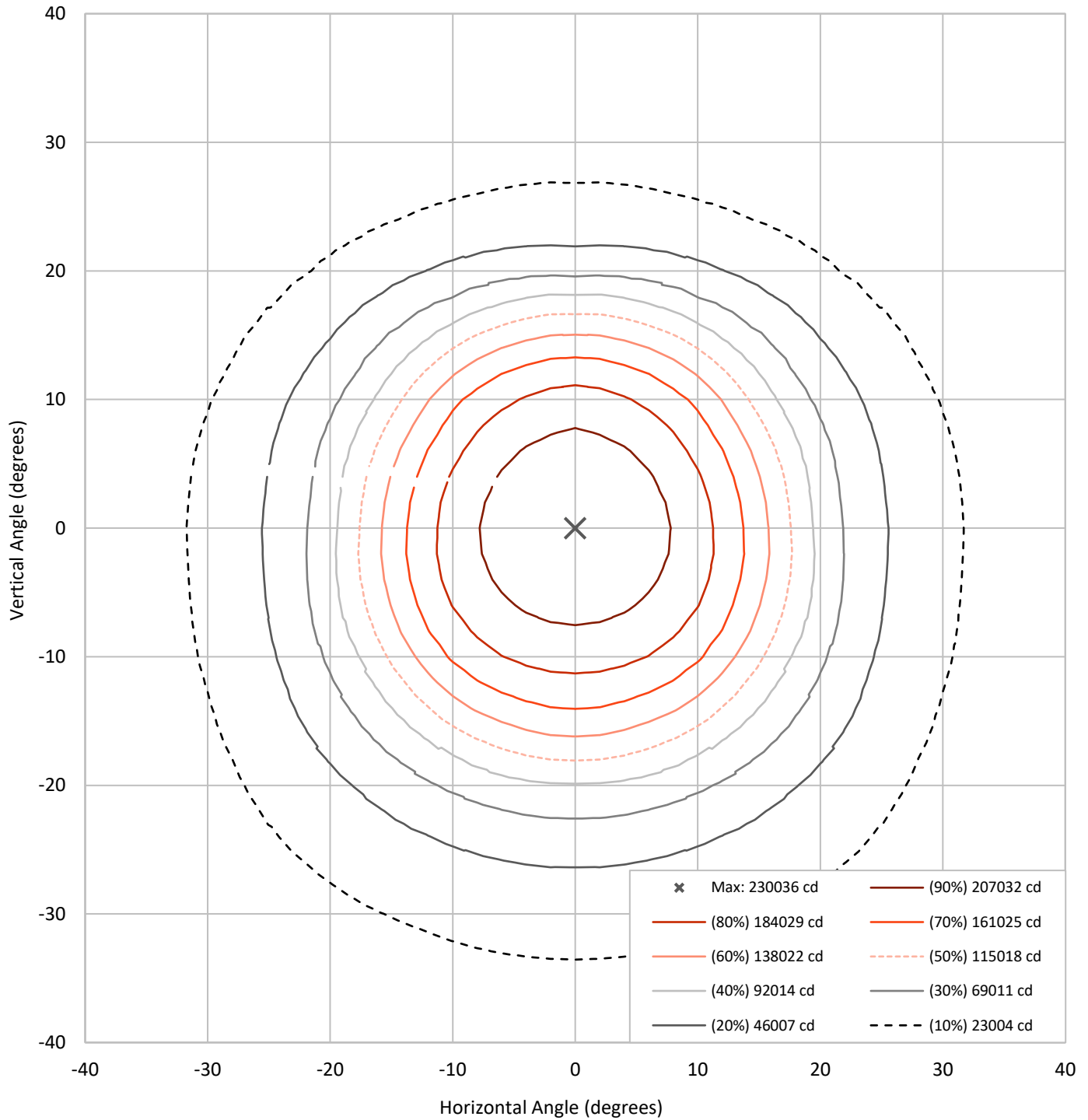
Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	95423.5 lumens	Max Intensity:	230036 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	138.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		

Beam Angle (50%):	35.2°H x 34.7°V	Field Angle (10%):	63.4°H x 60.3°V
Beam Lumens:	51216.7 lumens	Field Lumens:	83344.8 lumens
Beam Efficiency:	53.7%	Field Efficiency:	87.3%

Input Watts (W): 688
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





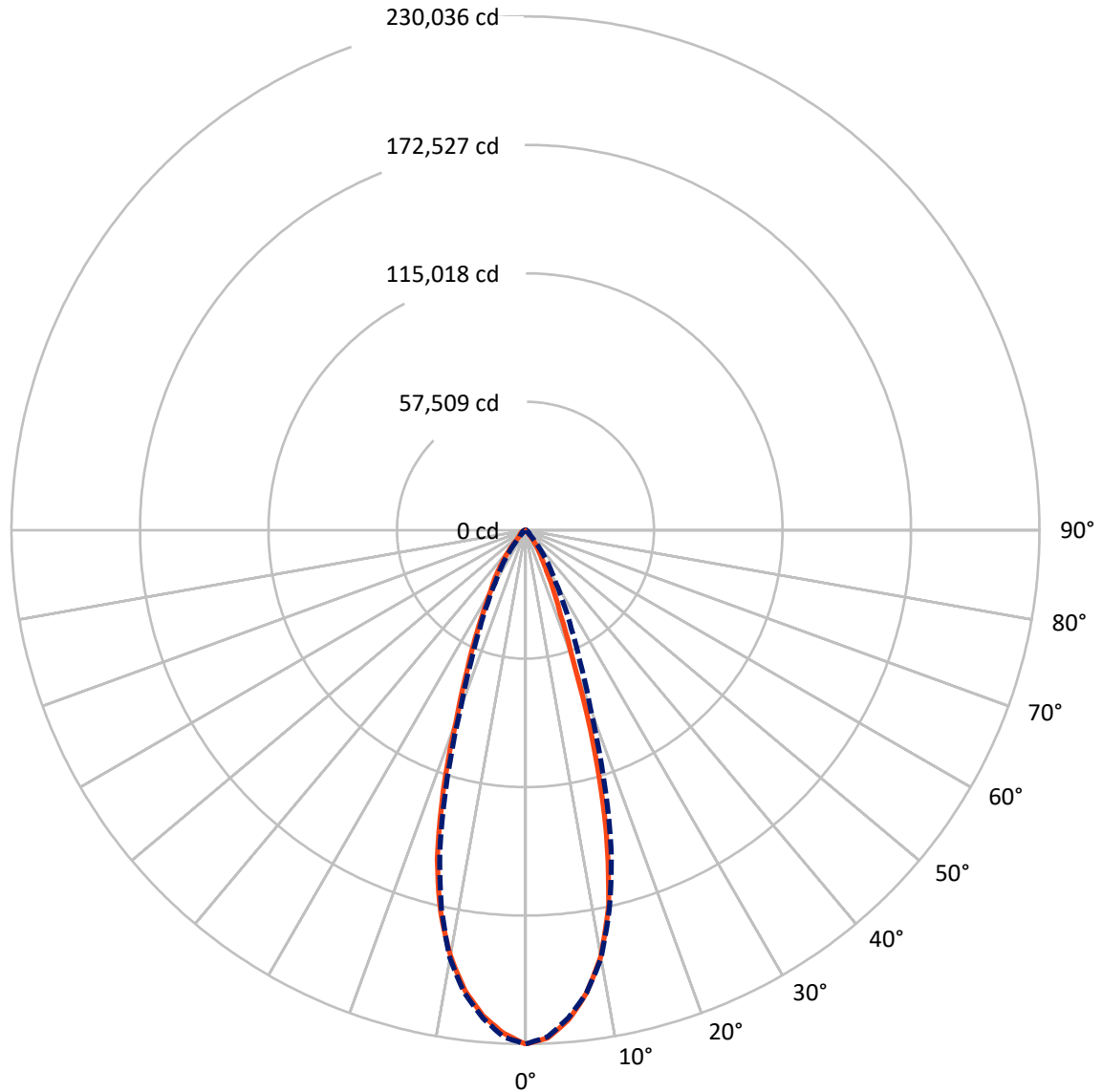
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Lumen Table

90	0.3	1.0		1.8		2.5		2.8		2.5		1.8		1.0		0.3			
80	0.3	1.0		1.8		2.5		2.8		2.5		1.8		1.0		0.3			
70	0.3	0.2	0.3	0.6	0.8	0.7	0.7	0.8	0.8	0.7	0.7	0.8	0.6	0.3	0.2	0.3			
60		0.4	0.8	1.3	1.3	0.9	1.2	1.3	1.3	1.2	0.9	1.3	1.3	0.8	0.4				
50	0.9	1.2	2.7	5.5	10.0	15.8	23.2	29.9	29.9	23.2	15.8	10.0	5.5	2.7	1.2	0.9			
40		2.9	9.1	17.3	28.5	65.9	147.3	238.6	238.6	147.3	65.9	28.5	17.3	9.1	2.9				
30	2.1	5.0	15.1	29.3	92.1	283.3	618.2	937.4	937.4	618.2	283.3	92.1	29.3	15.1	5.0	2.1			
20		6.8	19.9	47.0	239.7	794.9	2123.9	3774.1	3774.1	2123.9	794.9	239.7	47.0	19.9	6.8				
10	3.1	8.3	23.3	65.1	375.2	1304.7	3861.7	6183.8	6183.8	3861.7	1304.7	375.2	65.1	23.3	8.3	3.1			
0		9.3	25.9	72.8	402.1	1370.3	4048.5	6232.7	6232.7	4048.5	1370.3	402.1	72.8	25.9	9.3				
-10	3.5	9.5	27.4	67.0	320.9	1012.3	2548.4	4186.8	4186.8	2548.4	1012.3	320.9	67.0	27.4	9.5	3.5			
-20		8.9	27.2	57.4	176.6	562.2	1103.8	1593.9	1593.9	1103.8	562.2	176.6	57.4	27.2	8.9				
-30	3.3	7.6	24.5	48.1	84.8	208.6	420.3	581.0	581.0	420.3	208.6	84.8	48.1	24.5	7.6	3.3			
-40		5.9	18.4	38.5	60.6	84.2	114.8	147.0	147.0	114.8	84.2	60.6	38.5	18.4	5.9				
-50	2.8	4.4	11.5	25.0	43.1	58.2	70.3	78.8	78.8	70.3	58.2	43.1	25.0	11.5	4.4	2.8			
-60		3.3	6.7	12.7	21.7	30.7	39.0	44.6	44.6	39.0	30.7	21.7	12.7	6.7	3.3				
-70	2.1	12.1		27.2		44.1		54.1		44.1		27.2		12.1		2.1			
-80		12.1		27.2		44.1		54.1		44.1		27.2		12.1					
-90	2.1	12.1		27.2		44.1		54.1		44.1		27.2		12.1		2.1			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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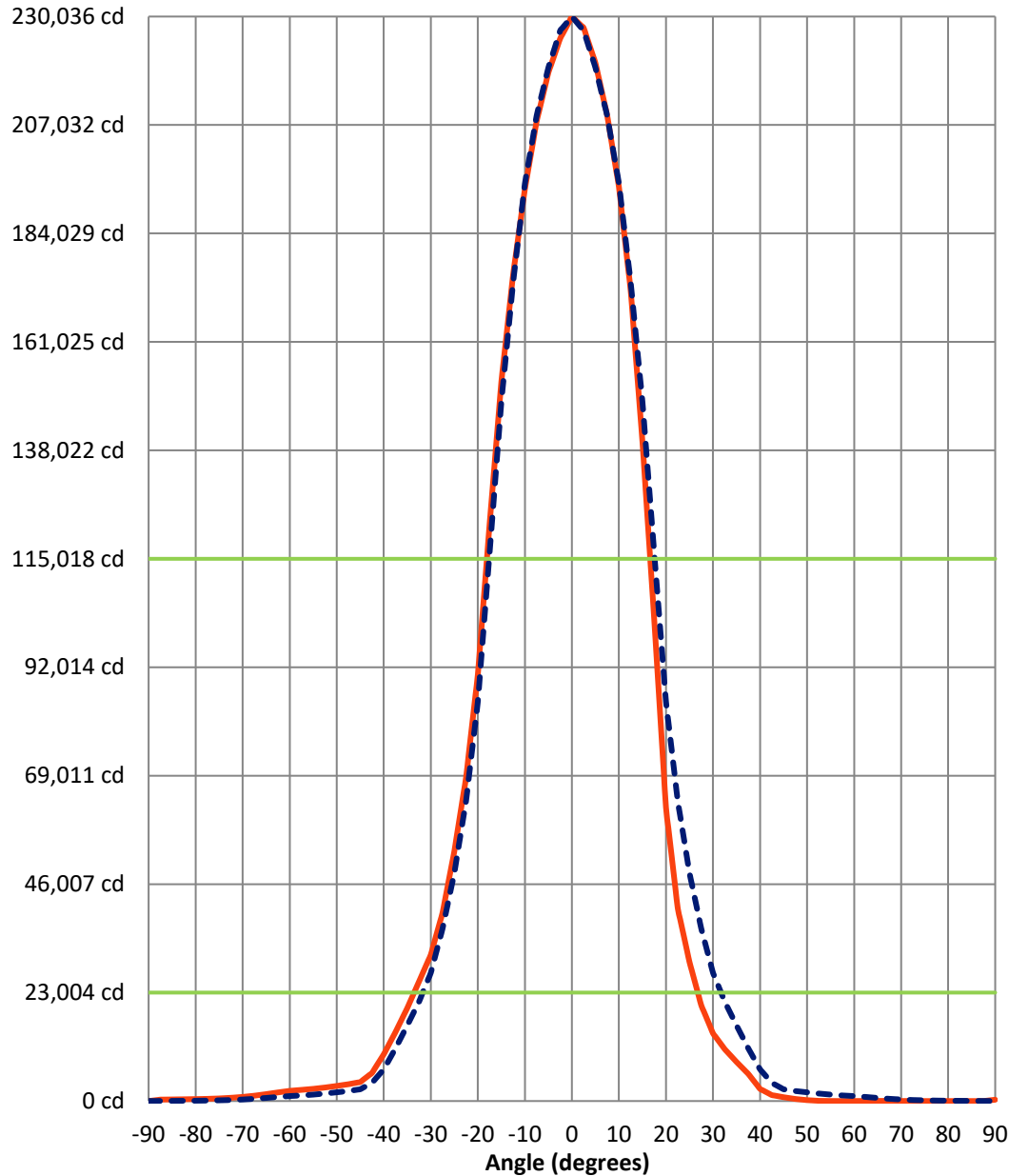
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 35.2°
 V Angle: 34.7°
 Lumens: 51216.7
 Efficiency: 53.7%

Field:
 H Angle: 63.4°
 V Angle: 60.3°
 Lumens: 83344.8
 Efficiency: 87.3%

Spill:
 Lumens: 12078.7
 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°	10.2	19.3	28.5	46.7	64.9	81.4	97.9	111.0	124.0	132.6	141.1
87.5°	10.2	9.3	8.2	8.3	8.4	8.4	8.3	7.7	7.2	7.3	7.3
85°	10.2	9.5	8.4	8.6	8.8	8.7	8.6	8.1	7.6	7.7	7.8
82.5°	10.2	9.7	8.6	8.9	9.1	9.1	8.9	8.5	8.1	8.2	8.3
80°	10.2	9.9	8.8	9.1	9.5	9.5	9.2	9.0	8.9	8.9	8.8
77.5°	10.2	10.1	9.1	9.4	9.9	9.9	9.8	9.7	9.6	9.6	9.2
75°	10.2	10.3	9.3	9.7	10.3	10.4	10.4	10.4	10.4	10.0	9.4
72.5°	10.2	10.6	9.6	10.0	10.7	10.9	11.1	11.1	10.9	10.4	9.6
70°	10.2	10.8	9.8	10.3	11.1	11.4	11.7	11.8	11.5	10.8	10.5
67.5°	10.2	11.0	10.1	10.7	11.6	11.9	12.5	12.4	12.1	11.8	11.5
65°	10.2	11.2	10.4	11.2	12.1	12.7	13.3	13.1	13.5	12.8	13.0
62.5°	10.2	11.4	10.8	11.7	12.6	13.7	14.3	14.6	15.0	14.3	15.4
60°	10.2	11.7	11.1	12.1	13.1	14.8	15.3	16.6	16.8	18.0	18.4
57.5°	10.2	11.9	11.7	12.6	14.3	15.9	17.5	18.8	20.9	22.4	24.9
55°	10.2	12.2	12.4	13.1	15.5	17.1	19.9	21.2	26.0	28.3	33.3
52.5°	10.2	12.4	13.1	13.6	16.9	18.6	22.4	26.3	31.4	38.2	42.5
50°	10.2	12.6	13.9	14.1	18.3	21.1	25.0	31.8	38.4	48.7	55.1
47.5°	10.2	12.9	14.7	14.8	19.7	23.8	28.1	37.5	48.9	60.0	69.3
45°	10.2	13.1	15.5	16.0	21.2	26.7	33.3	43.5	59.9	74.0	84.5
42.5°	10.2	13.4	16.3	17.1	22.8	29.6	38.6	52.0	71.4	88.6	109.0
40°	10.2	13.6	17.2	18.8	24.8	32.6	44.1	62.3	84.1	103.9	137.3
37.5°	10.2	13.9	18.2	20.8	27.2	35.8	49.9	72.8	98.7	123.9	168.0
35°	10.2	14.1	19.1	22.8	29.6	40.0	55.8	83.6	113.9	152.3	205.1
32.5°	10.2	14.4	20.1	24.9	32.0	44.6	62.5	94.3	129.7	181.4	247.6
30°	10.2	14.6	21.1	26.9	34.5	49.2	71.2	105.3	146.0	211.0	288.0
27.5°	10.2	14.8	22.2	29.0	37.8	53.7	79.6	117.2	163.8	241.1	326.4
25°	10.2	15.1	23.2	31.1	41.1	58.1	87.8	128.7	184.4	272.4	362.8
22.5°	10.2	15.3	24.3	33.1	44.4	62.7	95.7	139.5	203.7	296.7	400.1
20°	10.2	15.6	25.3	35.2	47.6	67.9	103.3	149.8	221.6	319.5	430.3
17.5°	10.2	15.8	26.4	37.2	50.7	72.9	111.1	159.4	238.1	340.5	458.5
15°	10.2	16.0	27.4	39.2	53.8	77.8	118.9	169.0	253.1	359.8	485.0
12.5°	10.2	16.2	28.4	41.2	56.7	82.5	126.2	178.8	268.2	377.3	509.6
10°	10.2	16.4	29.4	43.1	59.5	87.0	133.0	188.0	283.1	399.9	536.7
7.5°	10.2	16.6	30.4	45.0	62.2	91.2	139.3	196.5	296.6	422.2	571.4
5°	10.2	16.8	31.3	46.8	64.7	95.2	145.1	204.2	308.6	442.9	604.1
2.5°	10.2	16.9	32.2	48.5	67.1	99.0	150.2	211.2	319.0	461.6	634.2
0°	10.2	17.1	33.0	50.1	69.4	102.4	154.8	217.4	327.7	478.0	661.2
-2.5°	10.2	17.7	34.3	52.2	72.6	106.5	160.1	224.8	339.2	491.5	674.7
-5°	10.2	18.3	35.5	54.2	75.7	110.3	164.8	231.4	348.8	502.2	684.6
-7.5°	10.2	18.9	36.6	56.1	78.6	113.8	168.8	236.9	356.3	510.0	690.8
-10°	10.2	19.4	37.7	57.9	81.3	116.9	172.2	241.3	361.5	514.9	693.5
-12.5°	10.2	20.0	38.7	59.6	83.8	119.6	174.8	244.7	364.2	516.8	696.5
-15°	10.2	20.5	39.6	61.1	86.1	122.0	176.7	246.9	363.7	514.5	696.4
-17.5°	10.2	21.0	40.4	62.5	88.1	124.0	177.8	248.3	360.2	508.8	690.5
-20°	10.2	21.4	41.2	63.7	89.9	125.6	178.7	249.0	354.5	499.6	678.6



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 CATALOG NUMBER: EPH-08-680N-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°	10.2	21.9	41.9	64.8	91.4	126.8	179.6	248.6	346.6	486.9	660.9
-25°	10.2	22.3	42.5	65.7	92.7	128.3	179.6	247.2	336.5	470.5	642.4
-27.5°	10.2	22.6	43.0	66.4	93.7	129.6	178.8	244.6	324.4	456.4	626.6
-30°	10.2	22.9	43.4	67.0	94.4	130.5	177.3	241.0	317.1	443.4	606.0
-32.5°	10.2	23.2	43.7	67.4	95.7	130.9	174.8	237.9	312.8	427.0	580.1
-35°	10.2	23.5	44.0	67.7	96.7	130.9	173.9	234.3	306.9	407.1	548.9
-37.5°	10.2	23.7	44.2	67.8	97.4	130.9	173.4	229.5	299.1	383.8	519.1
-40°	10.2	23.9	44.2	67.7	97.8	131.5	172.3	223.5	289.6	368.8	489.9
-42.5°	10.2	24.0	44.2	67.6	98.2	131.7	170.5	216.2	280.4	356.5	457.4
-45°	10.2	24.1	44.1	67.7	98.4	131.6	167.9	210.1	270.6	341.8	424.3
-47.5°	10.2	24.1	43.9	67.7	98.2	131.1	164.8	206.4	259.3	325.0	405.0
-50°	10.2	24.1	43.7	67.7	97.9	130.3	163.2	202.0	246.3	309.9	383.0
-52.5°	10.2	24.1	43.3	67.6	97.2	129.1	161.4	197.0	237.7	293.0	357.6
-55°	10.2	24.0	42.9	67.3	96.2	127.5	159.2	191.7	230.6	274.3	333.3
-57.5°	10.2	23.9	42.3	66.8	95.0	125.6	156.7	188.6	222.6	262.3	307.3
-60°	10.2	23.8	41.7	66.1	93.5	123.3	153.7	184.7	214.5	251.7	284.1
-62.5°	10.2	23.6	41.1	65.3	92.2	120.7	150.3	180.1	208.7	239.6	269.3
-65°	10.2	23.3	40.4	64.3	90.7	117.7	146.5	175.0	202.4	229.7	254.0
-67.5°	10.2	23.1	39.5	63.2	88.9	114.7	142.2	169.2	195.4	220.3	241.9
-70°	10.2	22.8	38.6	61.8	86.9	111.6	137.5	163.1	188.1	210.6	230.9
-72.5°	10.2	22.4	37.6	60.4	84.7	108.2	132.8	156.6	180.4	200.8	219.6
-75°	10.2	22.1	36.5	58.8	82.2	104.5	127.7	149.9	172.2	190.6	207.8
-77.5°	10.2	21.7	35.3	57.1	79.7	100.5	122.3	142.8	163.7	180.1	195.7
-80°	10.2	21.3	34.1	55.3	77.1	96.8	116.6	135.5	154.7	169.4	183.6
-82.5°	10.2	20.8	32.8	53.3	74.3	93.2	112.0	128.6	145.5	158.5	171.3
-85°	10.2	20.4	31.4	51.2	71.3	89.4	107.5	122.9	138.4	149.3	160.0
-87.5°	10.2	19.9	30.0	49.0	68.2	85.5	102.8	117.0	131.3	141.0	150.7
-90°	10.2	9.1	8.0	8.0	8.0	8.0	8.0	7.4	6.8	6.8	6.8



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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°	147.4	153.6	159.3	165.0	171.9	178.7	185.5	192.3	199.7	207.1	214.5
87.5°	6.8	6.3	6.3	6.3	5.8	5.3	5.0	4.6	4.6	4.6	4.5
85°	7.3	6.8	6.8	6.8	6.4	6.0	5.6	5.1	5.1	5.2	4.9
82.5°	7.9	7.4	7.2	6.8	6.7	6.7	6.3	5.9	5.8	5.7	5.4
80°	8.4	8.1	7.6	7.2	7.1	6.9	6.7	6.6	6.3	5.9	5.8
77.5°	8.7	8.1	7.9	7.8	7.6	7.0	6.8	6.8	6.7	6.6	6.4
75°	8.7	8.2	8.1	8.1	7.6	7.0	6.8	7.1	7.1	6.9	6.7
72.5°	9.2	8.9	8.6	8.3	8.0	7.7	7.6	7.9	8.5	9.1	9.6
70°	10.2	9.7	9.4	9.2	8.7	8.7	9.7	11.6	13.4	14.2	16.1
67.5°	11.2	10.9	10.6	10.3	10.4	11.3	12.6	16.8	20.4	22.9	25.6
65°	12.4	12.2	12.2	12.4	12.5	16.0	19.7	23.9	30.3	33.9	34.0
62.5°	13.9	15.7	14.9	15.9	19.2	22.8	28.6	36.0	44.1	47.4	45.3
60°	19.7	20.6	21.0	23.5	26.7	30.7	38.6	47.7	57.1	62.7	54.3
57.5°	27.1	28.3	30.4	31.9	35.5	37.8	47.2	58.2	64.3	67.9	58.4
55°	36.4	38.2	41.3	42.0	45.0	46.0	53.8	61.4	66.5	67.7	57.4
52.5°	48.2	50.2	54.8	55.5	55.6	56.6	57.7	66.1	70.2	69.0	59.5
50°	60.9	67.9	70.4	73.0	69.7	71.1	67.3	76.9	85.1	82.9	85.7
47.5°	79.7	88.5	92.1	96.8	94.4	102.1	99.3	117.7	124.1	160.9	169.1
45°	102.3	117.9	122.7	133.6	144.5	153.6	183.2	185.6	263.2	295.6	356.6
42.5°	129.5	153.9	173.8	177.8	230.6	258.7	299.9	367.7	435.8	498.1	539.6
40°	169.7	195.1	237.6	287.2	343.3	403.8	458.8	537.5	603.4	652.4	681.8
37.5°	215.7	263.8	321.8	411.2	487.0	548.8	611.2	679.2	741.2	784.4	840.5
35°	266.0	336.1	443.7	536.7	618.1	676.3	737.2	809.3	867.9	937.4	1006.7
32.5°	327.1	410.0	544.8	645.4	711.5	780.3	850.6	926.5	1010.4	1096.0	1184.7
30°	387.5	493.2	625.0	729.5	793.5	873.6	959.1	1048.0	1158.2	1266.0	1385.8
27.5°	435.1	564.6	690.0	798.0	872.5	967.4	1071.7	1187.8	1318.6	1450.6	1609.7
25°	477.5	617.7	755.5	869.9	964.6	1069.8	1192.3	1331.7	1487.4	1672.9	2173.6
22.5°	518.9	669.4	827.8	947.0	1053.5	1172.3	1320.1	1482.7	1665.9	1912.5	2798.1
20°	561.5	728.0	897.0	1011.1	1134.6	1267.8	1441.0	1629.6	1856.7	2439.2	3745.5
17.5°	605.2	788.5	955.9	1067.4	1197.5	1359.9	1561.3	1774.0	2050.9	2932.4	4932.0
15°	647.8	845.5	1003.2	1117.2	1260.6	1449.6	1674.5	1935.2	2394.6	3620.8	6120.8
12.5°	688.6	896.6	1038.3	1160.0	1322.9	1534.2	1779.6	2072.2	2798.5	4549.7	7417.5
10°	727.0	942.0	1068.8	1200.9	1383.8	1613.7	1873.7	2192.7	3151.2	5292.1	8444.1
7.5°	768.5	980.8	1096.4	1239.6	1439.9	1686.3	1951.2	2285.5	3413.9	5861.3	9206.6
5°	806.2	1012.4	1128.3	1285.1	1495.6	1751.9	2017.6	2363.2	3593.2	6222.0	9735.8
2.5°	839.1	1037.6	1158.0	1328.2	1548.0	1809.4	2077.7	2441.0	3753.1	6527.1	10405.5
0°	867.2	1057.2	1184.7	1366.7	1593.2	1857.2	2126.9	2503.6	3860.1	6732.5	11182.1
-2.5°	884.4	1086.5	1229.1	1407.1	1630.5	1891.1	2171.4	2570.6	3968.5	7176.4	11477.9
-5°	896.7	1110.2	1268.9	1442.5	1660.8	1915.9	2204.0	2618.0	4015.1	7298.5	11391.7
-7.5°	903.9	1127.4	1303.0	1473.4	1687.8	1944.7	2255.3	2681.4	4036.2	6997.6	10903.6
-10°	907.6	1141.9	1325.4	1498.9	1712.8	1971.2	2295.3	2722.3	3949.5	6591.4	10341.9
-12.5°	917.4	1154.2	1343.2	1517.9	1729.5	1990.2	2326.5	2753.1	3752.0	6033.4	9569.9
-15°	919.9	1160.6	1358.0	1530.9	1746.9	2018.1	2350.1	2758.4	3466.8	5312.3	8584.3
-17.5°	914.8	1160.9	1368.4	1541.0	1755.6	2028.8	2357.6	2743.3	3253.7	4788.3	7592.7
-20°	901.5	1147.3	1371.6	1542.0	1752.3	2033.1	2361.3	2736.8	3201.7	4252.6	6390.1



REPORT NUMBER: P1306316 (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°	879.9	1125.8	1360.5	1540.4	1763.7	2035.0	2350.4	2696.3	3089.0	3606.4	5193.0
-25°	856.6	1095.4	1331.7	1545.8	1765.8	2025.5	2304.4	2622.0	2984.7	3389.3	4338.8
-27.5°	831.6	1059.8	1302.0	1539.0	1755.1	1990.0	2249.0	2546.7	2845.4	3172.2	3576.6
-30°	801.2	1021.2	1262.4	1514.0	1729.6	1949.1	2187.9	2428.6	2696.3	2990.5	3333.0
-32.5°	764.9	975.8	1213.3	1461.9	1695.9	1901.6	2101.3	2317.4	2556.3	2815.7	3099.0
-35°	725.4	929.7	1155.6	1398.4	1654.7	1843.6	2017.2	2204.1	2415.7	2652.7	2915.9
-37.5°	685.5	876.6	1088.0	1324.7	1574.0	1771.8	1928.1	2102.5	2288.9	2491.8	2736.5
-40°	640.1	815.4	1017.5	1241.2	1462.3	1676.0	1847.8	2005.9	2169.7	2355.3	2555.2
-42.5°	591.1	755.8	940.3	1143.0	1343.8	1547.6	1762.8	1918.1	2064.7	2222.3	2397.5
-45°	550.3	690.0	856.9	1037.2	1218.1	1415.5	1623.1	1830.8	1964.6	2101.1	2250.3
-47.5°	502.9	623.3	775.9	926.1	1093.1	1279.2	1475.9	1668.5	1858.4	1991.2	2116.8
-50°	457.8	566.8	683.4	821.6	970.4	1142.1	1322.3	1498.4	1676.5	1856.3	1999.6
-52.5°	426.7	506.2	607.4	716.6	854.2	1006.0	1164.0	1320.9	1488.1	1659.7	1824.9
-55°	393.2	461.3	533.4	626.2	739.4	874.7	1006.1	1146.7	1290.4	1448.6	1609.5
-57.5°	361.3	417.7	474.3	544.8	640.1	743.4	858.6	974.1	1104.3	1236.8	1374.5
-60°	329.6	375.9	424.0	480.2	545.8	633.0	716.4	817.0	925.1	1034.1	1156.6
-62.5°	299.3	337.1	377.1	424.6	479.5	530.9	599.8	677.8	755.9	852.4	951.6
-65°	281.5	302.5	334.0	375.2	417.9	463.4	508.2	555.9	623.8	695.8	766.3
-67.5°	262.6	282.0	301.6	327.0	364.5	400.0	436.0	478.0	521.3	567.9	619.2
-70°	248.5	262.0	279.4	299.4	318.9	340.4	372.5	405.9	439.2	475.5	515.7
-72.5°	235.1	247.7	260.7	274.8	291.9	308.3	325.1	343.1	369.4	401.3	431.2
-75°	221.6	233.2	245.1	257.4	270.2	282.7	296.0	312.2	330.3	349.8	368.1
-77.5°	207.8	218.6	229.5	240.1	251.8	263.8	275.2	286.8	301.0	316.1	330.5
-80°	194.2	203.8	213.9	223.8	234.0	244.5	254.6	264.3	276.5	289.6	302.3
-82.5°	181.0	190.0	198.7	207.3	216.2	224.9	234.0	243.1	254.3	265.8	276.6
-85°	168.2	176.1	183.4	190.7	198.9	207.0	214.8	222.5	232.7	243.0	252.3
-87.5°	157.8	164.9	171.2	177.3	184.6	191.8	198.5	205.1	213.9	222.7	230.7
-90°	6.3	5.7	5.7	5.7	5.2	4.6	4.6	4.6	4.6	4.6	4.0



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	221.9	227.1	232.2	235.6	239.0	244.1	249.2	256.6	264.0	270.3	276.5
87.5°	4.4	3.9	3.4	3.3	3.3	3.3	3.3	2.8	2.3	2.3	2.3
85°	4.6	4.4	4.3	4.3	4.4	3.9	3.4	3.4	3.3	3.3	3.4
82.5°	5.1	4.9	4.6	4.6	4.6	4.5	4.4	3.9	3.4	3.4	3.4
80°	5.7	5.4	5.2	4.9	4.6	4.6	4.6	4.1	3.5	3.4	3.4
77.5°	5.9	5.8	5.7	5.3	4.7	4.6	4.6	4.1	3.5	3.4	3.4
75°	6.7	6.6	6.5	6.4	6.2	6.4	6.7	6.6	6.2	5.9	5.6
72.5°	10.2	10.3	10.1	10.7	11.3	11.8	12.1	12.4	12.9	13.7	14.7
70°	18.1	19.5	19.6	19.5	19.5	18.9	18.3	18.1	18.2	18.5	18.9
67.5°	27.3	28.5	28.9	29.2	26.7	25.0	24.3	24.4	25.4	27.5	30.4
65°	34.9	32.8	30.9	28.9	29.1	29.0	27.6	27.0	27.9	29.2	30.6
62.5°	41.5	33.0	27.5	24.8	25.3	26.1	23.6	21.7	21.1	20.7	20.8
60°	44.6	31.0	21.9	18.6	16.6	15.6	13.9	11.9	11.3	11.1	11.4
57.5°	45.0	29.5	17.4	13.7	10.5	8.1	6.8	6.0	6.0	5.8	5.7
55°	43.6	29.9	16.9	15.4	14.1	13.0	11.3	11.0	10.4	10.4	11.0
52.5°	45.2	41.9	34.3	33.2	40.5	40.8	35.1	43.2	48.7	53.0	54.9
50°	89.3	85.8	108.4	108.3	131.2	150.8	145.2	156.6	176.4	193.6	204.2
47.5°	208.6	225.0	259.0	289.4	323.7	367.1	386.4	400.0	417.3	440.5	456.0
45°	388.6	429.3	473.3	522.6	580.1	630.9	660.5	689.0	707.9	728.5	752.9
42.5°	577.1	625.6	690.9	749.8	812.0	871.3	918.1	959.4	1039.8	1154.5	1245.8
40°	738.5	793.6	869.4	947.9	1021.2	1096.3	1302.9	1479.1	1698.5	2026.2	2316.5
37.5°	898.6	962.4	1047.0	1143.1	1364.2	1588.0	2039.4	2526.9	2949.3	3423.1	3901.4
35°	1073.2	1156.9	1270.1	1593.7	2002.9	2599.5	3246.7	3970.8	4585.5	5246.9	6215.9
32.5°	1279.2	1425.6	1791.4	2379.7	3113.4	3960.9	4763.8	5674.0	6441.7	7656.9	9136.8
30°	1545.0	2003.9	2706.1	3518.4	4508.6	5581.2	6587.8	8062.1	9784.4	11309.1	12568.2
27.5°	2185.9	3072.3	4052.7	5082.2	6322.0	7621.8	9732.4	11640.5	13493.7	15140.0	17052.6
25°	3142.8	4565.0	6240.5	7620.6	9305.3	11654.4	14041.0	16142.5	18958.9	21436.1	24214.9
22.5°	4496.4	6521.4	8679.6	10694.6	13281.9	16223.9	19434.8	23306.9	27219.5	31565.6	35432.0
20°	5817.5	8379.5	11112.6	14013.4	17326.9	21005.4	26254.1	32538.1	38567.1	45414.3	51188.0
17.5°	7576.8	10674.0	13906.3	17593.6	21853.7	27513.0	35260.2	43852.6	53175.8	63400.3	72855.3
15°	9365.9	12702.5	16458.4	21177.6	27203.3	34894.9	44778.4	56475.3	70109.8	85140.3	103413.5
12.5°	10832.1	14480.7	18872.6	24819.7	32700.8	42987.0	54961.7	69042.0	87734.4	110404.6	131634.6
10°	12084.8	16459.7	22009.4	29047.9	38318.0	49930.2	63533.3	80965.8	106145.4	132407.9	155705.8
7.5°	13375.2	18550.8	24428.2	32059.6	42599.7	55780.6	72531.5	95295.8	123000.0	149936.6	171301.9
5°	14592.3	19976.6	25954.3	34107.7	45506.0	59662.2	78668.0	106395.1	136543.2	162925.8	182998.4
2.5°	15545.6	20693.8	26758.1	35633.0	47077.0	61771.8	82514.8	113258.5	144884.0	170885.4	191468.2
0°	16040.2	21082.8	27204.1	36587.0	48380.2	63708.0	84720.2	116287.4	148276.9	173597.5	194576.8
-2.5°	15930.8	20895.0	26928.0	35850.8	48082.4	64058.3	86554.0	117865.9	148861.3	174522.7	194294.4
-5°	15700.6	20599.2	26548.9	34946.1	47016.0	63177.7	84562.8	113350.1	143284.7	169607.5	188828.7
-7.5°	15271.6	20104.1	25793.0	33622.9	45248.6	60553.1	79851.1	104866.2	133583.3	159956.8	178564.6
-10°	14640.4	19339.1	24708.0	31829.2	42270.0	56326.9	72733.6	92268.7	119132.4	143790.1	164465.8
-12.5°	13743.4	18256.9	23202.8	29322.2	38672.5	51060.4	65204.6	81435.8	100635.6	124416.2	143796.5
-15°	12602.0	16846.8	21442.6	27216.4	35034.7	45184.8	57110.2	69701.8	84417.9	100833.2	119723.8
-17.5°	11201.1	15188.4	19468.2	24445.9	30768.9	39284.9	48718.3	58543.4	69165.6	81245.7	92344.0
-20°	9530.6	13177.8	17211.0	21840.9	27258.9	33410.1	40267.5	48210.3	56443.9	65065.8	72694.1



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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°	7834.4	11161.5	15004.8	19053.2	23762.2	28457.4	33063.3	38969.1	45327.4	51569.3	57247.3
-25°	6130.0	9067.1	12640.6	16437.7	20217.3	24052.5	27792.2	31459.4	36034.8	40052.5	44220.0
-27.5°	4868.9	7066.1	10066.7	13380.3	16673.8	19874.0	23107.3	26170.6	29056.0	31482.4	34292.1
-30°	3829.1	5312.2	7630.2	10237.8	13119.5	15939.2	18725.3	21313.0	23585.3	25583.0	27534.1
-32.5°	3462.0	4067.6	5445.1	7426.7	9700.1	12173.8	14502.7	16725.4	18598.7	20455.2	22203.4
-35°	3202.6	3536.0	3986.3	5224.2	6704.7	8673.3	10498.8	12343.5	13916.7	15770.9	17204.5
-37.5°	2989.8	3246.6	3531.4	3823.4	4723.7	5709.4	7023.7	8406.4	9621.8	11177.2	12442.9
-40°	2783.9	3011.3	3233.8	3455.8	3695.3	3915.2	4697.6	5410.6	6235.0	7299.0	8209.3
-42.5°	2584.8	2785.1	2977.8	3158.2	3325.5	3469.9	3627.3	3778.2	4223.4	4765.7	5182.2
-45°	2406.2	2576.4	2737.7	2890.2	3017.7	3133.3	3254.6	3380.9	3546.4	3696.8	3821.0
-47.5°	2254.2	2388.8	2521.0	2645.2	2743.1	2841.8	2938.4	3047.4	3176.3	3302.6	3408.2
-50°	2116.8	2233.3	2333.6	2421.6	2503.0	2586.5	2663.4	2760.2	2864.0	2968.4	3055.8
-52.5°	1985.2	2088.8	2172.6	2239.6	2301.6	2369.7	2435.9	2513.1	2597.3	2685.2	2754.6
-55°	1764.0	1895.6	2017.4	2080.3	2129.0	2185.1	2241.1	2303.6	2374.8	2448.5	2503.6
-57.5°	1519.5	1649.4	1764.1	1845.8	1926.5	2008.8	2070.5	2119.5	2183.8	2246.8	2294.3
-60°	1274.0	1383.0	1484.3	1566.9	1651.0	1733.4	1802.8	1866.6	1946.1	2018.5	2077.3
-62.5°	1045.5	1140.8	1219.0	1285.8	1357.5	1429.2	1495.3	1558.2	1630.4	1695.3	1750.4
-65°	837.8	917.7	975.6	1028.1	1085.1	1144.5	1196.8	1249.0	1307.1	1359.0	1404.2
-67.5°	677.4	730.4	766.5	800.0	845.2	891.3	932.4	973.9	1018.3	1057.6	1091.9
-70°	554.6	587.6	609.9	635.5	667.7	697.2	724.2	754.6	787.2	817.3	844.6
-72.5°	459.7	482.4	499.1	519.6	540.0	558.8	575.8	597.6	621.4	644.6	666.7
-75°	385.2	399.9	415.7	430.5	444.5	458.1	470.7	488.3	506.5	524.0	540.8
-77.5°	345.6	356.5	365.4	373.6	381.3	390.1	398.7	413.5	429.6	443.1	455.8
-80°	314.9	323.4	330.8	337.1	342.9	350.0	357.3	369.4	382.0	393.3	404.4
-82.5°	287.4	294.7	301.5	307.3	312.8	319.0	325.1	335.7	346.5	356.2	365.7
-85°	261.7	268.0	274.1	279.2	284.3	290.0	295.6	304.8	314.1	322.7	331.2
-87.5°	238.6	244.2	249.8	253.7	257.5	263.0	268.4	276.6	284.8	292.4	300.0
-90°	3.4	3.4	3.4	2.9	2.3	2.3	2.3	2.3	2.3	1.7	1.1



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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°	280.0	283.4	284.0	284.5	284.0	283.4	280.0	276.5	270.3	264.0	256.6
87.5°	1.7	1.1	1.7	2.3	1.7	1.1	1.7	2.3	2.3	2.3	2.8
85°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.4
82.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.9
80°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.5	4.1
77.5°	2.9	2.3	2.8	3.4	2.8	2.3	2.9	3.4	3.4	3.5	4.1
75°	5.1	4.6	4.0	3.4	4.0	4.6	5.1	5.6	5.9	6.2	6.6
72.5°	15.2	15.6	16.4	17.1	16.4	15.6	15.2	14.7	13.7	12.9	12.4
70°	18.2	17.2	17.1	17.1	17.1	17.2	18.2	18.9	18.5	18.2	18.1
67.5°	32.6	34.5	35.1	35.3	35.1	34.5	32.6	30.4	27.5	25.4	24.4
65°	31.7	32.9	33.0	33.0	33.0	32.9	31.7	30.6	29.2	27.9	27.0
62.5°	21.2	21.8	22.2	22.8	22.2	21.8	21.2	20.8	20.7	21.1	21.7
60°	11.9	12.6	13.1	13.7	13.1	12.6	11.9	11.4	11.1	11.3	11.9
57.5°	5.6	5.9	6.2	6.8	6.2	5.9	5.6	5.7	5.8	6.0	6.0
55°	11.4	12.1	12.4	12.5	12.4	12.1	11.4	11.0	10.4	10.4	11.0
52.5°	54.0	51.4	49.3	47.8	49.3	51.4	54.0	54.9	53.0	48.7	43.2
50°	208.6	203.4	197.7	192.3	197.7	203.4	208.6	204.2	193.6	176.4	156.6
47.5°	465.2	461.1	452.6	441.5	452.6	461.1	465.2	456.0	440.5	417.3	400.0
45°	786.3	809.1	819.3	813.7	819.3	809.1	786.3	752.9	728.5	707.9	689.0
42.5°	1276.7	1296.8	1298.6	1268.9	1298.6	1296.8	1276.7	1245.8	1154.5	1039.8	959.4
40°	2526.5	2701.6	2761.7	2581.0	2761.7	2701.6	2526.5	2316.5	2026.2	1698.5	1479.1
37.5°	4477.9	5165.8	5739.6	5761.7	5739.6	5165.8	4477.9	3901.4	3423.1	2949.3	2526.9
35°	7257.3	7965.0	8307.2	8292.7	8307.2	7965.0	7257.3	6215.9	5246.9	4585.5	3970.8
32.5°	10200.3	10736.4	11079.1	10996.6	11079.1	10736.4	10200.3	9136.8	7656.9	6441.7	5674.0
30°	13467.5	13964.9	14364.3	14358.3	14364.3	13964.9	13467.5	12568.2	11309.1	9784.4	8062.1
27.5°	18609.5	19634.6	20449.4	20311.2	20449.4	19634.6	18609.5	17052.6	15140.0	13493.7	11640.5
25°	26559.0	28434.1	29759.7	29486.9	29759.7	28434.1	26559.0	24214.9	21436.1	18958.9	16142.5
22.5°	38302.5	40707.8	41713.6	40916.0	41713.6	40707.8	38302.5	35432.0	31565.6	27219.5	23306.9
20°	56688.4	61148.0	63920.6	62267.3	63920.6	61148.0	56688.4	51188.0	45414.3	38567.1	32538.1
17.5°	85092.9	94767.5	102411.9	102201.2	102411.9	94767.5	85092.9	72855.3	63400.3	53175.8	43852.6
15°	119322.9	130334.7	138813.7	139794.1	138813.7	130334.7	119322.9	103413.5	85140.3	70109.8	56475.3
12.5°	149972.4	161171.4	169468.9	171856.4	169468.9	161171.4	149972.4	131634.6	110404.6	87734.4	69042.0
10°	171816.1	182992.0	191023.2	193855.3	191023.2	182992.0	171816.1	155705.8	132407.9	106145.4	80965.8
7.5°	187840.5	199965.3	205985.4	209062.5	205985.4	199965.3	187840.5	171301.9	149936.6	123000.0	95295.8
5°	199371.0	210639.5	216463.5	220192.2	216463.5	210639.5	199371.0	182998.4	162925.8	136543.2	106395.1
2.5°	206639.7	217278.1	224272.1	227616.6	224272.1	217278.1	206639.7	191468.2	170885.4	144884.0	113258.5
0°	208985.7	219198.7	227037.9	230036.0	227037.9	219198.7	208985.7	194576.8	173597.5	148276.9	116287.4
-2.5°	207894.5	217899.0	224151.3	225363.3	224151.3	217899.0	207894.5	194294.4	174522.7	148861.3	117865.9
-5°	202215.7	211436.6	217209.9	218158.6	217209.9	211436.6	202215.7	188828.7	169607.5	143284.7	113350.1
-7.5°	192425.7	201623.9	206395.9	207801.0	206395.9	201623.9	192425.7	178564.6	159956.8	133583.3	104866.2
-10°	178231.1	187117.5	192217.7	193427.4	192217.7	187117.5	178231.1	164465.8	143790.1	119132.4	92268.7
-12.5°	158862.1	168342.3	174050.4	175308.0	174050.4	168342.3	158862.1	143796.5	124416.2	100635.6	81435.8
-15°	133746.4	143497.9	150784.9	152547.8	150784.9	143497.9	133746.4	119723.8	100833.2	84417.9	69701.8
-17.5°	104795.5	114553.8	121101.8	122351.9	121101.8	114553.8	104795.5	92344.0	81245.7	69165.6	58543.4
-20°	79861.1	86137.0	89832.7	90476.3	89832.7	86137.0	79861.1	72694.1	65065.8	56443.9	48210.3



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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°	61887.5	66105.6	68355.6	68673.1	68355.6	66105.6	61887.5	57247.3	51569.3	45327.4	38969.1
-25°	47956.9	51021.7	52697.6	52976.6	52697.6	51021.7	47956.9	44220.0	40052.5	36034.8	31459.4
-27.5°	36822.6	38726.5	40285.9	39961.2	40285.9	38726.5	36822.6	34292.1	31482.4	29056.0	26170.6
-30°	29137.2	30358.3	31279.4	31038.1	31279.4	30358.3	29137.2	27534.1	25583.0	23585.3	21313.0
-32.5°	23582.7	24539.4	25186.8	25359.4	25186.8	24539.4	23582.7	22203.4	20455.2	18598.7	16725.4
-35°	18329.6	19111.3	19560.0	19734.2	19560.0	19111.3	18329.6	17204.5	15770.9	13916.7	12343.5
-37.5°	13382.5	14068.2	14496.3	14645.0	14496.3	14068.2	13382.5	12442.9	11177.2	9621.8	8406.4
-40°	8906.4	9434.7	9785.4	9921.2	9785.4	9434.7	8906.4	8209.3	7299.0	6235.0	5410.6
-42.5°	5506.7	5754.1	5910.7	5959.8	5910.7	5754.1	5506.7	5182.2	4765.7	4223.4	3778.2
-45°	3917.0	3985.3	4024.5	4032.0	4024.5	3985.3	3917.0	3821.0	3696.8	3546.4	3380.9
-47.5°	3490.7	3544.6	3572.1	3573.3	3572.1	3544.6	3490.7	3408.2	3302.6	3176.3	3047.4
-50°	3127.9	3177.8	3203.0	3204.6	3203.0	3177.8	3127.9	3055.8	2968.4	2864.0	2760.2
-52.5°	2811.5	2851.3	2869.7	2870.1	2869.7	2851.3	2811.5	2754.6	2685.2	2597.3	2513.1
-55°	2548.8	2579.8	2591.2	2589.0	2591.2	2579.8	2548.8	2503.6	2448.5	2374.8	2303.6
-57.5°	2333.9	2364.2	2373.7	2370.5	2373.7	2364.2	2333.9	2294.3	2246.8	2183.8	2119.5
-60°	2123.1	2155.6	2167.8	2166.8	2167.8	2155.6	2123.1	2077.3	2018.5	1946.1	1866.6
-62.5°	1789.8	1814.7	1828.1	1832.2	1828.1	1814.7	1789.8	1750.4	1695.3	1630.4	1558.2
-65°	1435.3	1455.2	1465.8	1469.2	1465.8	1455.2	1435.3	1404.2	1359.0	1307.1	1249.0
-67.5°	1114.1	1128.3	1135.2	1136.9	1135.2	1128.3	1114.1	1091.9	1057.6	1018.3	973.9
-70°	861.6	873.3	878.7	880.8	878.7	873.3	861.6	844.6	817.3	787.2	754.6
-72.5°	679.5	688.8	692.6	694.2	692.6	688.8	679.5	666.7	644.6	621.4	597.6
-75°	548.7	554.3	556.5	557.6	556.5	554.3	548.7	540.8	524.0	506.5	488.3
-77.5°	462.8	468.7	470.9	472.3	470.9	468.7	462.8	455.8	443.1	429.6	413.5
-80°	409.3	413.5	415.2	416.5	415.2	413.5	409.3	404.4	393.3	382.0	369.4
-82.5°	371.6	377.3	377.7	377.8	377.7	377.3	371.6	365.7	356.2	346.5	335.7
-85°	335.7	340.0	340.8	341.4	340.8	340.0	335.7	331.2	322.7	314.1	304.8
-87.5°	304.2	308.3	308.4	308.4	308.4	308.3	304.2	300.0	292.4	284.8	276.6
-90°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.7	2.3	2.3



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	249.2	244.1	239.0	235.6	232.2	227.1	221.9	214.5	207.1	199.7	192.3
87.5°	3.3	3.3	3.3	3.3	3.4	3.9	4.4	4.5	4.6	4.6	4.6
85°	3.4	3.9	4.4	4.3	4.3	4.4	4.6	4.9	5.2	5.1	5.1
82.5°	4.4	4.5	4.6	4.6	4.6	4.9	5.1	5.4	5.7	5.8	5.9
80°	4.6	4.6	4.6	4.9	5.2	5.4	5.7	5.8	5.9	6.3	6.6
77.5°	4.6	4.6	4.7	5.3	5.7	5.8	5.9	6.4	6.6	6.7	6.8
75°	6.7	6.4	6.2	6.4	6.5	6.6	6.7	6.7	6.9	7.1	7.1
72.5°	12.1	11.8	11.3	10.7	10.1	10.3	10.2	9.6	9.1	8.5	7.9
70°	18.3	18.9	19.5	19.5	19.6	19.5	18.1	16.1	14.2	13.4	11.6
67.5°	24.3	25.0	26.7	29.2	28.9	28.5	27.3	25.6	22.9	20.4	16.8
65°	27.6	29.0	29.1	28.9	30.9	32.8	34.9	34.0	33.9	30.3	23.9
62.5°	23.6	26.1	25.3	24.8	27.5	33.0	41.5	45.3	47.4	44.1	36.0
60°	13.9	15.6	16.6	18.6	21.9	31.0	44.6	54.3	62.7	57.1	47.7
57.5°	6.8	8.1	10.5	13.7	17.4	29.5	45.0	58.4	67.9	64.3	58.2
55°	11.3	13.0	14.1	15.4	16.9	29.9	43.6	57.4	67.7	66.5	61.4
52.5°	35.1	40.8	40.5	33.2	34.3	41.9	45.2	59.5	69.0	70.2	66.1
50°	145.2	150.8	131.2	108.3	108.4	85.8	89.3	85.7	82.9	85.1	76.9
47.5°	386.4	367.1	323.7	289.4	259.0	225.0	208.6	169.1	160.9	124.1	117.7
45°	660.5	630.9	580.1	522.6	473.3	429.3	388.6	356.6	295.6	263.2	185.6
42.5°	918.1	871.3	812.0	749.8	690.9	625.6	577.1	539.6	498.1	435.8	367.7
40°	1302.9	1096.3	1021.2	947.9	869.4	793.6	738.5	681.8	652.4	603.4	537.5
37.5°	2039.4	1588.0	1364.2	1143.1	1047.0	962.4	898.6	840.5	784.4	741.2	679.2
35°	3246.7	2599.5	2002.9	1593.7	1270.1	1156.9	1073.2	1006.7	937.4	867.9	809.3
32.5°	4763.8	3960.9	3113.4	2379.7	1791.4	1425.6	1279.2	1184.7	1096.0	1010.4	926.5
30°	6587.8	5581.2	4508.6	3518.4	2706.1	2003.9	1545.0	1385.8	1266.0	1158.2	1048.0
27.5°	9732.4	7621.8	6322.0	5082.2	4052.7	3072.3	2185.9	1609.7	1450.6	1318.6	1187.8
25°	14041.0	11654.4	9305.3	7620.6	6240.5	4565.0	3142.8	2173.6	1672.9	1487.4	1331.7
22.5°	19434.8	16223.9	13281.9	10694.6	8679.6	6521.4	4496.4	2798.1	1912.5	1665.9	1482.7
20°	26254.1	21005.4	17326.9	14013.4	11112.6	8379.5	5817.5	3745.5	2439.2	1856.7	1629.6
17.5°	35260.2	27513.0	21853.7	17593.6	13906.3	10674.0	7576.8	4932.0	2932.4	2050.9	1774.0
15°	44778.4	34894.9	27203.3	21177.6	16458.4	12702.5	9365.9	6120.8	3620.8	2394.6	1935.2
12.5°	54961.7	42987.0	32700.8	24819.7	18872.6	14480.7	10832.1	7417.5	4549.7	2798.5	2072.2
10°	63533.3	49930.2	38318.0	29047.9	22009.4	16459.7	12084.8	8444.1	5292.1	3151.2	2192.7
7.5°	72531.5	55780.6	42599.7	32059.6	24428.2	18550.8	13375.2	9206.6	5861.3	3413.9	2285.5
5°	78668.0	59662.2	45506.0	34107.7	25954.3	19976.6	14592.3	9735.8	6222.0	3593.2	2363.2
2.5°	82514.8	61771.8	47077.0	35633.0	26758.1	20693.8	15545.6	10405.5	6527.1	3753.1	2441.0
0°	84720.2	63708.0	48380.2	36587.0	27204.1	21082.8	16040.2	11182.1	6732.5	3860.1	2503.6
-2.5°	86554.0	64058.3	48082.4	35850.8	26928.0	20895.0	15930.8	11477.9	7176.4	3968.5	2570.6
-5°	84562.8	63177.7	47016.0	34946.1	26548.9	20599.2	15700.6	11391.7	7298.5	4015.1	2618.0
-7.5°	79851.1	60553.1	45248.6	33622.9	25793.0	20104.1	15271.6	10903.6	6997.6	4036.2	2681.4
-10°	72733.6	56326.9	42270.0	31829.2	24708.0	19339.1	14640.4	10341.9	6591.4	3949.5	2722.3
-12.5°	65204.6	51060.4	38672.5	29322.2	23202.8	18256.9	13743.4	9569.9	6033.4	3752.0	2753.1
-15°	57110.2	45184.8	35034.7	27216.4	21442.6	16846.8	12602.0	8584.3	5312.3	3466.8	2758.4
-17.5°	48718.3	39284.9	30768.9	24445.9	19468.2	15188.4	11201.1	7592.7	4788.3	3253.7	2743.3
-20°	40267.5	33410.1	27258.9	21840.9	17211.0	13177.8	9530.6	6390.1	4252.6	3201.7	2736.8



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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°	33063.3	28457.4	23762.2	19053.2	15004.8	11161.5	7834.4	5193.0	3606.4	3089.0	2696.3
-25°	27792.2	24052.5	20217.3	16437.7	12640.6	9067.1	6130.0	4338.8	3389.3	2984.7	2622.0
-27.5°	23107.3	19874.0	16673.8	13380.3	10066.7	7066.1	4868.9	3576.6	3172.2	2845.4	2546.7
-30°	18725.3	15939.2	13119.5	10237.8	7630.2	5312.2	3829.1	3333.0	2990.5	2696.3	2428.6
-32.5°	14502.7	12173.8	9700.1	7426.7	5445.1	4067.6	3462.0	3099.0	2815.7	2556.3	2317.4
-35°	10498.8	8673.3	6704.7	5224.2	3986.3	3536.0	3202.6	2915.9	2652.7	2415.7	2204.1
-37.5°	7023.7	5709.4	4723.7	3823.4	3531.4	3246.6	2989.8	2736.5	2491.8	2288.9	2102.5
-40°	4697.6	3915.2	3695.3	3455.8	3233.8	3011.3	2783.9	2555.2	2355.3	2169.7	2005.9
-42.5°	3627.3	3469.9	3325.5	3158.2	2977.8	2785.1	2584.8	2397.5	2222.3	2064.7	1918.1
-45°	3254.6	3133.3	3017.7	2890.2	2737.7	2576.4	2406.2	2250.3	2101.1	1964.6	1830.8
-47.5°	2938.4	2841.8	2743.1	2645.2	2521.0	2388.8	2254.2	2116.8	1991.2	1858.4	1668.5
-50°	2663.4	2586.5	2503.0	2421.6	2333.6	2233.3	2116.8	1999.6	1856.3	1676.5	1498.4
-52.5°	2435.9	2369.7	2301.6	2239.6	2172.6	2088.8	1985.2	1824.9	1659.7	1488.1	1320.9
-55°	2241.1	2185.1	2129.0	2080.3	2017.4	1895.6	1764.0	1609.5	1448.6	1290.4	1146.7
-57.5°	2070.5	2008.8	1926.5	1845.8	1764.1	1649.4	1519.5	1374.5	1236.8	1104.3	974.1
-60°	1802.8	1733.4	1651.0	1566.9	1484.3	1383.0	1274.0	1156.6	1034.1	925.1	817.0
-62.5°	1495.3	1429.2	1357.5	1285.8	1219.0	1140.8	1045.5	951.6	852.4	755.9	677.8
-65°	1196.8	1144.5	1085.1	1028.1	975.6	917.7	837.8	766.3	695.8	623.8	555.9
-67.5°	932.4	891.3	845.2	800.0	766.5	730.4	677.4	619.2	567.9	521.3	478.0
-70°	724.2	697.2	667.7	635.5	609.9	587.6	554.6	515.7	475.5	439.2	405.9
-72.5°	575.8	558.8	540.0	519.6	499.1	482.4	459.7	431.2	401.3	369.4	343.1
-75°	470.7	458.1	444.5	430.5	415.7	399.9	385.2	368.1	349.8	330.3	312.2
-77.5°	398.7	390.1	381.3	373.6	365.4	356.5	345.6	330.5	316.1	301.0	286.8
-80°	357.3	350.0	342.9	337.1	330.8	323.4	314.9	302.3	289.6	276.5	264.3
-82.5°	325.1	319.0	312.8	307.3	301.5	294.7	287.4	276.6	265.8	254.3	243.1
-85°	295.6	290.0	284.3	279.2	274.1	268.0	261.7	252.3	243.0	232.7	222.5
-87.5°	268.4	263.0	257.5	253.7	249.8	244.2	238.6	230.7	222.7	213.9	205.1
-90°	2.3	2.3	2.3	2.9	3.4	3.4	3.4	4.0	4.6	4.6	4.6



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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°	185.5	178.7	171.9	165.0	159.3	153.6	147.4	141.1	132.6	124.0	111.0
87.5°	5.0	5.3	5.8	6.3	6.3	6.3	6.8	7.3	7.3	7.2	7.7
85°	5.6	6.0	6.4	6.8	6.8	6.8	7.3	7.8	7.7	7.6	8.1
82.5°	6.3	6.7	6.7	6.8	7.2	7.4	7.9	8.3	8.2	8.1	8.5
80°	6.7	6.9	7.1	7.2	7.6	8.1	8.4	8.8	8.9	8.9	9.0
77.5°	6.8	7.0	7.6	7.8	7.9	8.1	8.7	9.2	9.6	9.6	9.7
75°	6.8	7.0	7.6	8.1	8.1	8.2	8.7	9.4	10.0	10.4	10.4
72.5°	7.6	7.7	8.0	8.3	8.6	8.9	9.2	9.6	10.4	10.9	11.1
70°	9.7	8.7	8.7	9.2	9.4	9.7	10.2	10.5	10.8	11.5	11.8
67.5°	12.6	11.3	10.4	10.3	10.6	10.9	11.2	11.5	11.8	12.1	12.4
65°	19.7	16.0	12.5	12.4	12.2	12.2	12.4	13.0	12.8	13.5	13.1
62.5°	28.6	22.8	19.2	15.9	14.9	15.7	13.9	15.4	14.3	15.0	14.6
60°	38.6	30.7	26.7	23.5	21.0	20.6	19.7	18.4	18.0	16.8	16.6
57.5°	47.2	37.8	35.5	31.9	30.4	28.3	27.1	24.9	22.4	20.9	18.8
55°	53.8	46.0	45.0	42.0	41.3	38.2	36.4	33.3	28.3	26.0	21.2
52.5°	57.7	56.6	55.6	55.5	54.8	50.2	48.2	42.5	38.2	31.4	26.3
50°	67.3	71.1	69.7	73.0	70.4	67.9	60.9	55.1	48.7	38.4	31.8
47.5°	99.3	102.1	94.4	96.8	92.1	88.5	79.7	69.3	60.0	48.9	37.5
45°	183.2	153.6	144.5	133.6	122.7	117.9	102.3	84.5	74.0	59.9	43.5
42.5°	299.9	258.7	230.6	177.8	173.8	153.9	129.5	109.0	88.6	71.4	52.0
40°	458.8	403.8	343.3	287.2	237.6	195.1	169.7	137.3	103.9	84.1	62.3
37.5°	611.2	548.8	487.0	411.2	321.8	263.8	215.7	168.0	123.9	98.7	72.8
35°	737.2	676.3	618.1	536.7	443.7	336.1	266.0	205.1	152.3	113.9	83.6
32.5°	850.6	780.3	711.5	645.4	544.8	410.0	327.1	247.6	181.4	129.7	94.3
30°	959.1	873.6	793.5	729.5	625.0	493.2	387.5	288.0	211.0	146.0	105.3
27.5°	1071.7	967.4	872.5	798.0	690.0	564.6	435.1	326.4	241.1	163.8	117.2
25°	1192.3	1069.8	964.6	869.9	755.5	617.7	477.5	362.8	272.4	184.4	128.7
22.5°	1320.1	1172.3	1053.5	947.0	827.8	669.4	518.9	400.1	296.7	203.7	139.5
20°	1441.0	1267.8	1134.6	1011.1	897.0	728.0	561.5	430.3	319.5	221.6	149.8
17.5°	1561.3	1359.9	1197.5	1067.4	955.9	788.5	605.2	458.5	340.5	238.1	159.4
15°	1674.5	1449.6	1260.6	1117.2	1003.2	845.5	647.8	485.0	359.8	253.1	169.0
12.5°	1779.6	1534.2	1322.9	1160.0	1038.3	896.6	688.6	509.6	377.3	268.2	178.8
10°	1873.7	1613.7	1383.8	1200.9	1068.8	942.0	727.0	536.7	399.9	283.1	188.0
7.5°	1951.2	1686.3	1439.9	1239.6	1096.4	980.8	768.5	571.4	422.2	296.6	196.5
5°	2017.6	1751.9	1495.6	1285.1	1128.3	1012.4	806.2	604.1	442.9	308.6	204.2
2.5°	2077.7	1809.4	1548.0	1328.2	1158.0	1037.6	839.1	634.2	461.6	319.0	211.2
0°	2126.9	1857.2	1593.2	1366.7	1184.7	1057.2	867.2	661.2	478.0	327.7	217.4
-2.5°	2171.4	1891.1	1630.5	1407.1	1229.1	1086.5	884.4	674.7	491.5	339.2	224.8
-5°	2204.0	1915.9	1660.8	1442.5	1268.9	1110.2	896.7	684.6	502.2	348.8	231.4
-7.5°	2255.3	1944.7	1687.8	1473.4	1303.0	1127.4	903.9	690.8	510.0	356.3	236.9
-10°	2295.3	1971.2	1712.8	1498.9	1325.4	1141.9	907.6	693.5	514.9	361.5	241.3
-12.5°	2326.5	1990.2	1729.5	1517.9	1343.2	1154.2	917.4	696.5	516.8	364.2	244.7
-15°	2350.1	2018.1	1746.9	1530.9	1358.0	1160.6	919.9	696.4	514.5	363.7	246.9
-17.5°	2357.6	2028.8	1755.6	1541.0	1368.4	1160.9	914.8	690.5	508.8	360.2	248.3
-20°	2361.3	2033.1	1752.3	1542.0	1371.6	1147.3	901.5	678.6	499.6	354.5	249.0



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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°	2350.4	2035.0	1763.7	1540.4	1360.5	1125.8	879.9	660.9	486.9	346.6	248.6
-25°	2304.4	2025.5	1765.8	1545.8	1331.7	1095.4	856.6	642.4	470.5	336.5	247.2
-27.5°	2249.0	1990.0	1755.1	1539.0	1302.0	1059.8	831.6	626.6	456.4	324.4	244.6
-30°	2187.9	1949.1	1729.6	1514.0	1262.4	1021.2	801.2	606.0	443.4	317.1	241.0
-32.5°	2101.3	1901.6	1695.9	1461.9	1213.3	975.8	764.9	580.1	427.0	312.8	237.9
-35°	2017.2	1843.6	1654.7	1398.4	1155.6	929.7	725.4	548.9	407.1	306.9	234.3
-37.5°	1928.1	1771.8	1574.0	1324.7	1088.0	876.6	685.5	519.1	383.8	299.1	229.5
-40°	1847.8	1676.0	1462.3	1241.2	1017.5	815.4	640.1	489.9	368.8	289.6	223.5
-42.5°	1762.8	1547.6	1343.8	1143.0	940.3	755.8	591.1	457.4	356.5	280.4	216.2
-45°	1623.1	1415.5	1218.1	1037.2	856.9	690.0	550.3	424.3	341.8	270.6	210.1
-47.5°	1475.9	1279.2	1093.1	926.1	775.9	623.3	502.9	405.0	325.0	259.3	206.4
-50°	1322.3	1142.1	970.4	821.6	683.4	566.8	457.8	383.0	309.9	246.3	202.0
-52.5°	1164.0	1006.0	854.2	716.6	607.4	506.2	426.7	357.6	293.0	237.7	197.0
-55°	1006.1	874.7	739.4	626.2	533.4	461.3	393.2	333.3	274.3	230.6	191.7
-57.5°	858.6	743.4	640.1	544.8	474.3	417.7	361.3	307.3	262.3	222.6	188.6
-60°	716.4	633.0	545.8	480.2	424.0	375.9	329.6	284.1	251.7	214.5	184.7
-62.5°	599.8	530.9	479.5	424.6	377.1	337.1	299.3	269.3	239.6	208.7	180.1
-65°	508.2	463.4	417.9	375.2	334.0	302.5	281.5	254.0	229.7	202.4	175.0
-67.5°	436.0	400.0	364.5	327.0	301.6	282.0	262.6	241.9	220.3	195.4	169.2
-70°	372.5	340.4	318.9	299.4	279.4	262.0	248.5	230.9	210.6	188.1	163.1
-72.5°	325.1	308.3	291.9	274.8	260.7	247.7	235.1	219.6	200.8	180.4	156.6
-75°	296.0	282.7	270.2	257.4	245.1	233.2	221.6	207.8	190.6	172.2	149.9
-77.5°	275.2	263.8	251.8	240.1	229.5	218.6	207.8	195.7	180.1	163.7	142.8
-80°	254.6	244.5	234.0	223.8	213.9	203.8	194.2	183.6	169.4	154.7	135.5
-82.5°	234.0	224.9	216.2	207.3	198.7	190.0	181.0	171.3	158.5	145.5	128.6
-85°	214.8	207.0	198.9	190.7	183.4	176.1	168.2	160.0	149.3	138.4	122.9
-87.5°	198.5	191.8	184.6	177.3	171.2	164.9	157.8	150.7	141.0	131.3	117.0
-90°	4.6	4.6	5.2	5.7	5.7	5.7	6.3	6.8	6.8	6.8	7.4



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	97.9	81.4	64.9	46.7	28.5	19.3	10.2
87.5°	8.3	8.4	8.4	8.3	8.2	9.3	10.2
85°	8.6	8.7	8.8	8.6	8.4	9.5	10.2
82.5°	8.9	9.1	9.1	8.9	8.6	9.7	10.2
80°	9.2	9.5	9.5	9.1	8.8	9.9	10.2
77.5°	9.8	9.9	9.9	9.4	9.1	10.1	10.2
75°	10.4	10.4	10.3	9.7	9.3	10.3	10.2
72.5°	11.1	10.9	10.7	10.0	9.6	10.6	10.2
70°	11.7	11.4	11.1	10.3	9.8	10.8	10.2
67.5°	12.5	11.9	11.6	10.7	10.1	11.0	10.2
65°	13.3	12.7	12.1	11.2	10.4	11.2	10.2
62.5°	14.3	13.7	12.6	11.7	10.8	11.4	10.2
60°	15.3	14.8	13.1	12.1	11.1	11.7	10.2
57.5°	17.5	15.9	14.3	12.6	11.7	11.9	10.2
55°	19.9	17.1	15.5	13.1	12.4	12.2	10.2
52.5°	22.4	18.6	16.9	13.6	13.1	12.4	10.2
50°	25.0	21.1	18.3	14.1	13.9	12.6	10.2
47.5°	28.1	23.8	19.7	14.8	14.7	12.9	10.2
45°	33.3	26.7	21.2	16.0	15.5	13.1	10.2
42.5°	38.6	29.6	22.8	17.1	16.3	13.4	10.2
40°	44.1	32.6	24.8	18.8	17.2	13.6	10.2
37.5°	49.9	35.8	27.2	20.8	18.2	13.9	10.2
35°	55.8	40.0	29.6	22.8	19.1	14.1	10.2
32.5°	62.5	44.6	32.0	24.9	20.1	14.4	10.2
30°	71.2	49.2	34.5	26.9	21.1	14.6	10.2
27.5°	79.6	53.7	37.8	29.0	22.2	14.8	10.2
25°	87.8	58.1	41.1	31.1	23.2	15.1	10.2
22.5°	95.7	62.7	44.4	33.1	24.3	15.3	10.2
20°	103.3	67.9	47.6	35.2	25.3	15.6	10.2
17.5°	111.1	72.9	50.7	37.2	26.4	15.8	10.2
15°	118.9	77.8	53.8	39.2	27.4	16.0	10.2
12.5°	126.2	82.5	56.7	41.2	28.4	16.2	10.2
10°	133.0	87.0	59.5	43.1	29.4	16.4	10.2
7.5°	139.3	91.2	62.2	45.0	30.4	16.6	10.2
5°	145.1	95.2	64.7	46.8	31.3	16.8	10.2
2.5°	150.2	99.0	67.1	48.5	32.2	16.9	10.2
0°	154.8	102.4	69.4	50.1	33.0	17.1	10.2
-2.5°	160.1	106.5	72.6	52.2	34.3	17.7	10.2
-5°	164.8	110.3	75.7	54.2	35.5	18.3	10.2
-7.5°	168.8	113.8	78.6	56.1	36.6	18.9	10.2
-10°	172.2	116.9	81.3	57.9	37.7	19.4	10.2
-12.5°	174.8	119.6	83.8	59.6	38.7	20.0	10.2
-15°	176.7	122.0	86.1	61.1	39.6	20.5	10.2
-17.5°	177.8	124.0	88.1	62.5	40.4	21.0	10.2
-20°	178.7	125.6	89.9	63.7	41.2	21.4	10.2



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	179.6	126.8	91.4	64.8	41.9	21.9	10.2
-25°	179.6	128.3	92.7	65.7	42.5	22.3	10.2
-27.5°	178.8	129.6	93.7	66.4	43.0	22.6	10.2
-30°	177.3	130.5	94.4	67.0	43.4	22.9	10.2
-32.5°	174.8	130.9	95.7	67.4	43.7	23.2	10.2
-35°	173.9	130.9	96.7	67.7	44.0	23.5	10.2
-37.5°	173.4	130.9	97.4	67.8	44.2	23.7	10.2
-40°	172.3	131.5	97.8	67.7	44.2	23.9	10.2
-42.5°	170.5	131.7	98.2	67.6	44.2	24.0	10.2
-45°	167.9	131.6	98.4	67.7	44.1	24.1	10.2
-47.5°	164.8	131.1	98.2	67.7	43.9	24.1	10.2
-50°	163.2	130.3	97.9	67.7	43.7	24.1	10.2
-52.5°	161.4	129.1	97.2	67.6	43.3	24.1	10.2
-55°	159.2	127.5	96.2	67.3	42.9	24.0	10.2
-57.5°	156.7	125.6	95.0	66.8	42.3	23.9	10.2
-60°	153.7	123.3	93.5	66.1	41.7	23.8	10.2
-62.5°	150.3	120.7	92.2	65.3	41.1	23.6	10.2
-65°	146.5	117.7	90.7	64.3	40.4	23.3	10.2
-67.5°	142.2	114.7	88.9	63.2	39.5	23.1	10.2
-70°	137.5	111.6	86.9	61.8	38.6	22.8	10.2
-72.5°	132.8	108.2	84.7	60.4	37.6	22.4	10.2
-75°	127.7	104.5	82.2	58.8	36.5	22.1	10.2
-77.5°	122.3	100.5	79.7	57.1	35.3	21.7	10.2
-80°	116.6	96.8	77.1	55.3	34.1	21.3	10.2
-82.5°	112.0	93.2	74.3	53.3	32.8	20.8	10.2
-85°	107.5	89.4	71.3	51.2	31.4	20.4	10.2
-87.5°	102.8	85.5	68.2	49.0	30.0	19.9	10.2
-90°	8.0	8.0	8.0	8.0	8.0	9.1	10.2

(END OF REPORT)