

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: P1306288 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-680N-40-70-3S-VHE-A**

Issue Date: 2/3/2026

**Test Information**

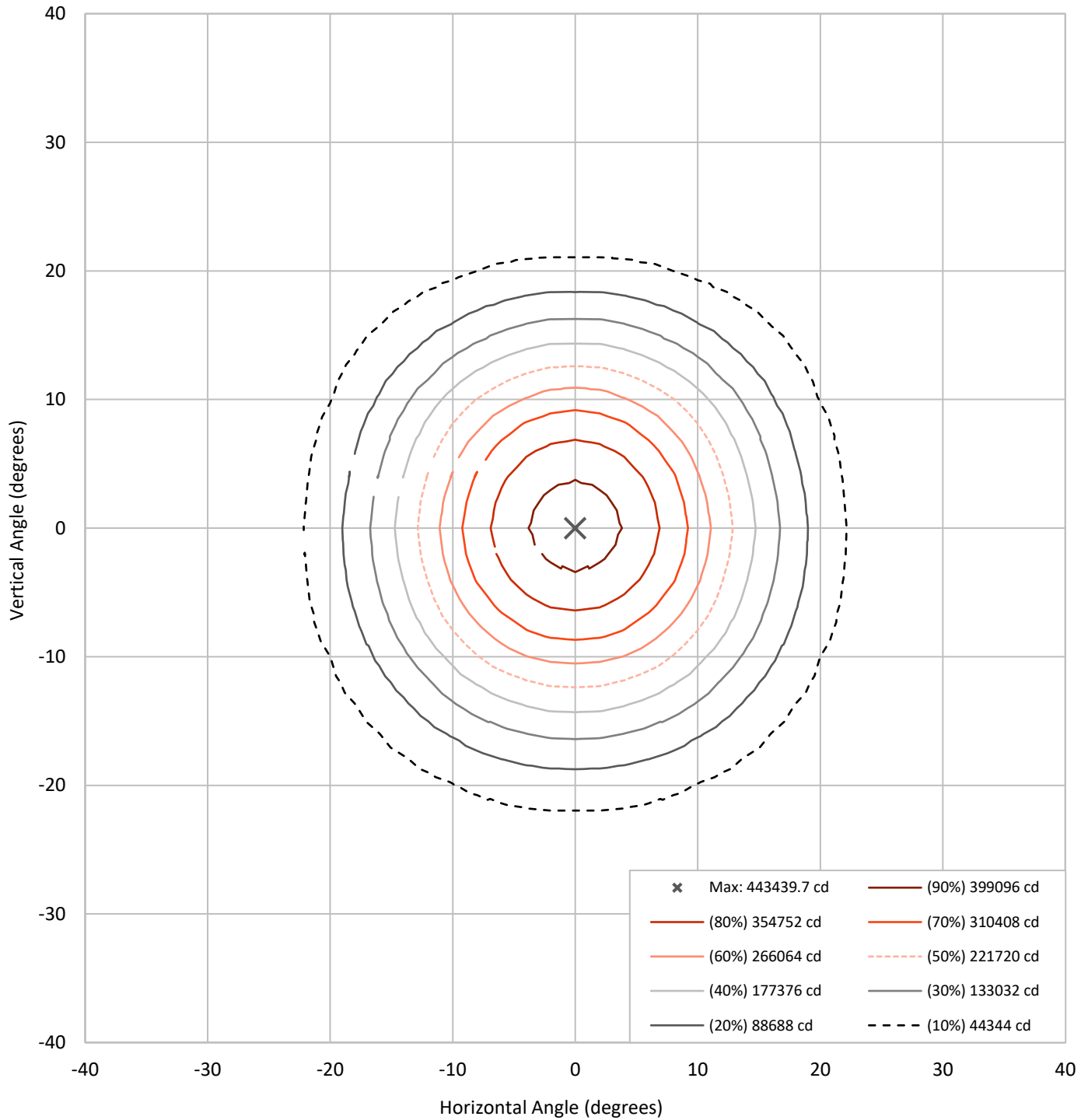
Test Method: LM-79-08  
Report Number: P1306288 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-08-680N-40-70-3S-VHE-A  
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE  
(8) 4000K, 70 CRI LEDS AND 3S BEAM SHAPE WITH ANODIZED CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	99627.7 lumens	Max Intensity:	443439.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	144.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	25.7°H x 24.9°V	Field Angle (10%):	44.2°H x 43°V
Beam Lumens:	47667.6 lumens	Field Lumens:	83525.6 lumens
Beam Efficiency:	47.8%	Field Efficiency:	83.8%
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





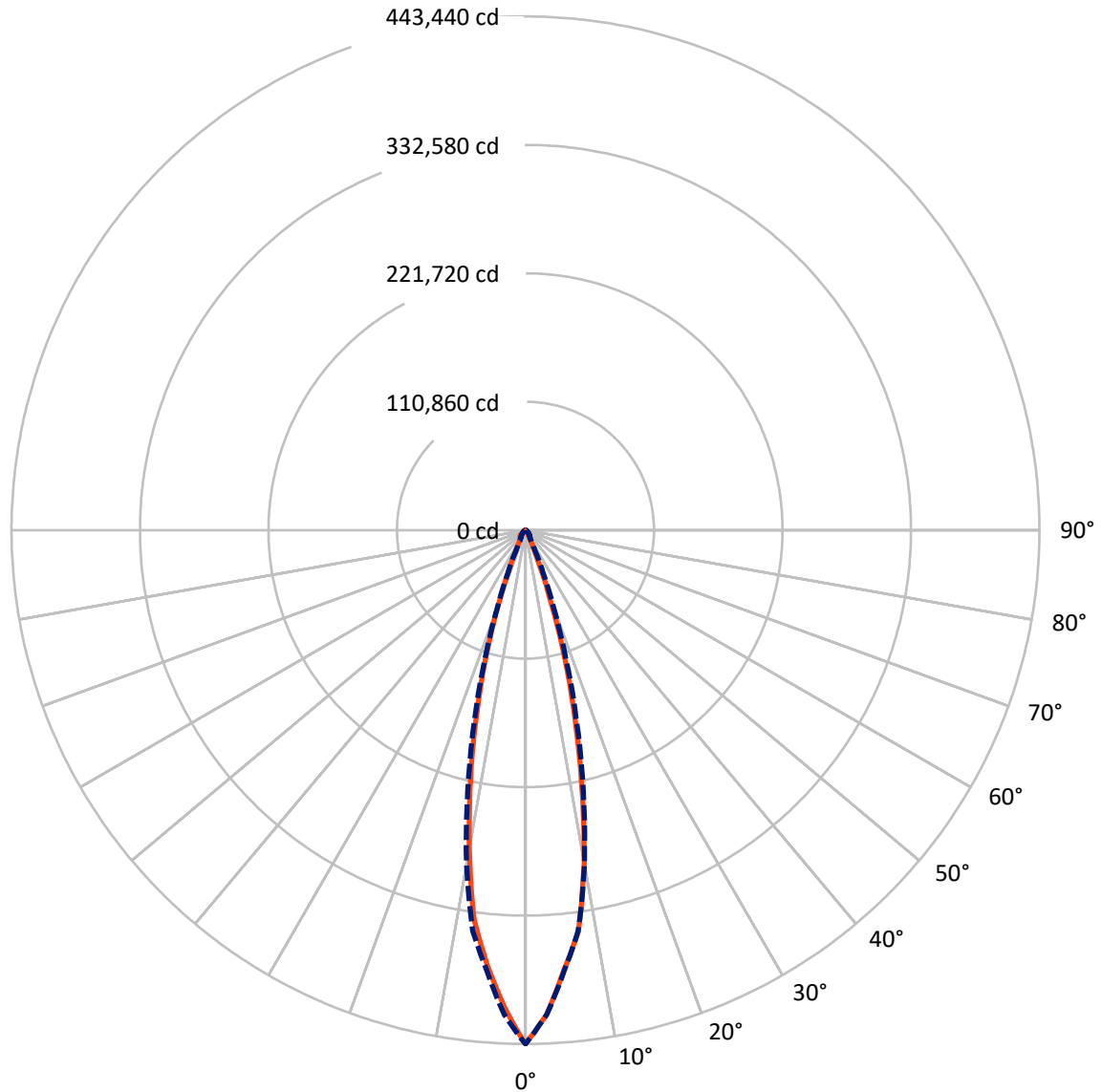
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### Lumen Table

90	0.2	0.8		1.6		2.3		2.8		2.3		1.6		0.8		0.2			
80	0.2	0.8		1.6		2.3		2.8		2.3		1.6		0.8		0.2			
70	0.3	0.2	0.3	0.7	0.9	0.8	0.6	0.6	0.6	0.6	0.8	0.9	0.7	0.3	0.2	0.3			
60		0.4	1.0	1.3	1.1	1.1	1.4	1.7	1.7	1.4	1.1	1.1	1.3	1.0	0.4				
50	0.9	1.4	3.3	7.0	12.9	22.0	31.3	35.4	35.4	31.3	22.0	12.9	7.0	3.3	1.4	0.9			
40		3.4	10.6	21.8	41.1	68.1	82.3	96.6	96.6	82.3	68.1	41.1	21.8	10.6	3.4				
30	2.3	5.8	17.8	39.0	87.4	112.4	242.7	530.8	530.8	242.7	112.4	87.4	39.0	17.8	5.8	2.3			
20		7.6	23.4	63.4	125.4	303.2	1826.0	4414.6	4414.6	1826.0	303.2	125.4	63.4	23.4	7.6				
10	3.3	9.2	27.1	80.8	151.9	672.9	4435.1	10101.8	10101.8	4435.1	672.9	151.9	80.8	27.1	9.2	3.3			
0		10.2	29.8	85.5	168.2	693.5	4462.0	9997.0	9997.0	4462.0	693.5	168.2	85.5	29.8	10.2				
-10	3.6	10.3	30.8	82.5	167.6	371.8	1904.0	4455.8	4455.8	1904.0	371.8	167.6	82.5	30.8	10.3	3.6			
-20		9.5	29.4	65.3	150.9	227.8	394.7	750.5	750.5	394.7	227.8	150.9	65.3	29.4	9.5				
-30	3.1	8.1	25.1	52.2	104.2	182.2	224.9	249.6	249.6	224.9	182.2	104.2	52.2	25.1	8.1	3.1			
-40		6.2	19.2	40.5	66.0	97.4	142.7	177.8	177.8	142.7	97.4	66.0	40.5	19.2	6.2				
-50	2.5	4.2	12.4	26.5	44.4	60.5	73.4	81.4	81.4	73.4	60.5	44.4	26.5	12.4	4.2	2.5			
-60		3.0	6.6	13.6	23.1	31.9	40.2	45.3	45.3	40.2	31.9	23.1	13.6	6.6	3.0				
-70	1.8	10.9		25.3		41.1		50.5		41.1		25.3		10.9		1.8			
-80		10.9		25.3		41.1		50.5		41.1		25.3		10.9					
-90	1.8	10.9		25.3		41.1		50.5		41.1		25.3		10.9		1.8			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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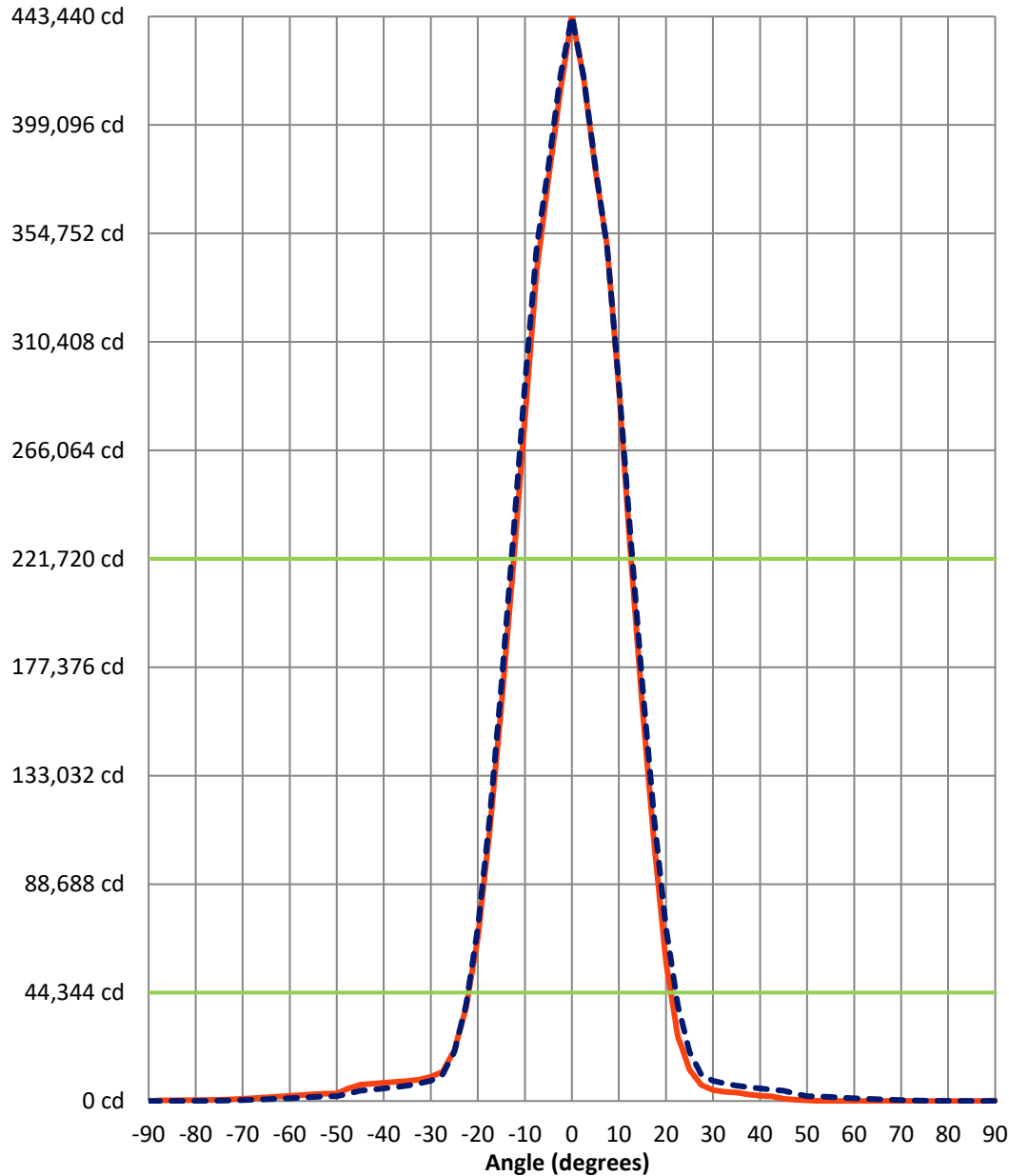
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
H Angle: 25.7°  
V Angle: 24.9°  
Lumens: 47667.6  
Efficiency: 47.8%

**Field:**  
H Angle: 44.2°  
V Angle: 43°  
Lumens: 83525.6  
Efficiency: 83.8%

**Spill:**  
Lumens: 16102.2  
Efficiency: 16.2%

— 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°	3.6	14.8	26.1	42.1	58.2	71.8	85.5	95.6	105.7	114.0	122.3
87.5°	3.6	3.9	3.8	3.9	4.0	4.0	3.9	3.5	3.2	3.1	2.9
85°	3.6	4.2	4.0	4.2	4.4	4.3	4.2	4.0	4.0	3.8	3.4
82.5°	3.6	4.4	4.2	4.5	4.8	4.7	4.5	4.5	4.7	4.4	3.9
80°	3.6	4.7	4.4	4.8	5.2	5.1	4.8	5.1	5.2	4.8	4.4
77.5°	3.6	5.0	4.7	5.1	5.6	5.6	5.5	5.6	5.6	5.3	5.0
75°	3.6	5.3	4.9	5.4	6.0	6.3	6.2	6.2	6.1	6.0	5.6
72.5°	3.6	5.6	5.2	5.7	6.7	7.0	6.9	7.0	7.1	6.8	6.3
70°	3.6	5.9	5.5	6.0	7.4	7.7	7.7	8.2	8.2	7.7	7.9
67.5°	3.6	6.2	5.8	6.7	8.1	8.4	9.1	9.5	9.4	9.9	9.9
65°	3.6	6.5	6.2	7.5	8.8	9.6	10.7	10.9	11.9	12.1	12.1
62.5°	3.6	6.8	6.6	8.2	9.6	11.2	12.3	13.2	14.5	14.5	14.6
60°	3.6	7.1	7.0	8.9	10.4	12.8	14.0	16.0	17.3	17.7	17.4
57.5°	3.6	7.4	7.8	9.7	12.0	14.5	16.7	18.9	21.1	21.4	23.6
55°	3.6	7.7	8.6	10.5	13.6	16.3	19.5	22.0	25.4	26.8	31.9
52.5°	3.6	8.0	9.5	11.3	15.3	18.2	22.3	26.4	30.0	36.8	40.9
50°	3.6	8.4	10.4	12.1	17.1	20.9	25.2	31.0	36.7	47.8	57.5
47.5°	3.6	8.7	11.2	13.0	18.8	23.6	28.3	35.9	47.8	59.7	77.5
45°	3.6	9.0	12.2	14.4	20.6	26.5	32.7	41.0	59.4	80.1	99.6
42.5°	3.6	9.3	13.1	15.7	22.5	29.4	37.2	49.5	71.6	102.1	133.4
40°	3.6	9.7	14.0	17.5	24.6	32.5	42.1	60.4	86.9	125.6	171.6
37.5°	3.6	10.0	15.0	19.4	27.0	35.6	47.5	71.6	108.4	153.5	212.5
35°	3.6	10.3	15.9	21.4	29.4	39.6	53.0	82.9	130.8	189.5	258.3
32.5°	3.6	10.7	16.9	23.4	31.8	43.9	59.9	94.9	154.0	225.7	303.7
30°	3.6	11.0	17.9	25.4	34.2	48.3	69.7	108.7	177.8	261.9	346.2
27.5°	3.6	11.3	18.9	27.3	37.3	52.7	79.4	126.8	202.0	298.1	385.6
25°	3.6	11.6	19.9	29.3	40.4	57.0	89.0	144.0	226.6	332.1	422.4
22.5°	3.6	11.9	20.8	31.2	43.4	61.3	98.3	160.0	249.0	355.1	462.5
20°	3.6	12.2	21.8	33.1	46.4	65.8	107.3	175.0	269.3	376.4	494.8
17.5°	3.6	12.5	22.7	35.0	49.3	70.1	115.7	188.9	287.5	396.0	525.1
15°	3.6	12.8	23.7	36.8	52.1	74.2	123.4	201.4	303.5	413.8	553.9
12.5°	3.6	13.1	24.6	38.5	54.8	78.1	130.6	212.5	319.9	429.8	580.7
10°	3.6	13.3	25.4	40.3	57.4	81.7	137.1	222.5	336.6	453.6	610.0
7.5°	3.6	13.6	26.3	41.9	59.9	85.1	143.0	231.3	352.1	477.6	646.6
5°	3.6	13.8	27.1	43.4	62.2	88.3	148.3	239.0	365.9	500.1	680.5
2.5°	3.6	14.0	27.8	44.9	64.4	91.2	152.8	245.4	378.1	520.7	711.3
0°	3.6	14.2	28.5	46.3	66.5	93.8	156.7	250.5	388.2	539.0	738.4
-2.5°	3.6	14.8	29.8	48.4	69.5	97.7	161.7	259.0	399.6	551.4	751.0
-5°	3.6	15.3	31.0	50.3	72.2	101.4	166.0	266.1	408.7	561.0	759.6
-7.5°	3.6	15.9	32.1	52.1	74.9	104.8	169.5	271.6	415.4	568.0	764.2
-10°	3.6	16.4	33.2	53.8	77.3	107.8	172.2	275.5	419.6	572.2	764.8
-12.5°	3.6	16.9	34.2	55.4	79.5	110.6	174.0	277.5	421.1	573.5	763.1
-15°	3.6	17.4	35.2	56.9	81.5	113.0	175.0	277.7	418.6	569.9	757.2
-17.5°	3.6	17.8	36.1	58.2	83.3	115.0	175.1	275.2	411.8	563.1	746.0
-20°	3.6	18.2	36.9	59.3	84.9	116.7	174.5	270.5	402.6	553.2	729.3



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 CATALOG NUMBER: EPH-08-680N-40-70-3S-VHE-A

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	3.6	18.5	37.6	60.4	86.3	118.1	173.1	264.2	390.9	540.0	707.5
-25°	3.6	18.9	38.2	61.2	87.4	119.3	170.9	256.2	376.8	523.5	684.5
-27.5°	3.6	19.2	38.8	62.0	88.3	120.2	167.7	246.5	360.3	508.6	668.1
-30°	3.6	19.4	39.2	62.5	89.0	120.8	163.6	235.3	346.9	492.1	648.3
-32.5°	3.6	19.7	39.6	62.9	89.9	121.1	158.6	227.9	335.5	472.9	624.6
-35°	3.6	19.9	39.9	63.2	90.5	121.0	156.8	221.6	321.1	451.1	597.0
-37.5°	3.6	20.0	40.1	63.2	90.9	120.9	156.3	214.5	303.7	426.6	567.9
-40°	3.6	20.1	40.2	63.1	91.1	121.2	155.4	205.9	283.3	402.7	535.1
-42.5°	3.6	20.2	40.2	63.0	91.1	121.1	154.0	195.9	268.1	374.1	497.1
-45°	3.6	20.3	40.1	62.9	91.0	120.7	152.1	188.2	254.8	342.3	455.3
-47.5°	3.6	20.3	40.0	62.7	90.7	120.1	149.6	185.3	239.6	308.2	416.4
-50°	3.6	20.2	39.7	62.5	90.1	119.2	147.9	181.6	221.8	287.8	374.4
-52.5°	3.6	20.1	39.4	62.3	89.2	118.0	146.0	177.2	212.0	265.8	331.0
-55°	3.6	20.0	39.0	61.8	88.1	116.2	143.8	172.4	205.4	242.4	303.4
-57.5°	3.6	19.9	38.4	61.3	86.7	114.1	141.1	169.1	198.3	230.6	274.4
-60°	3.6	19.7	37.8	60.5	85.2	111.8	138.0	165.1	191.2	221.9	250.4
-62.5°	3.6	19.5	37.3	59.6	83.9	109.2	134.8	160.4	185.6	212.2	238.5
-65°	3.6	19.2	36.6	58.6	82.3	106.3	131.2	155.5	179.3	203.5	225.8
-67.5°	3.6	18.9	35.9	57.4	80.6	103.4	127.4	150.4	172.6	194.9	215.2
-70°	3.6	18.6	35.1	56.1	78.7	100.5	123.2	144.9	166.0	186.1	205.3
-72.5°	3.6	18.2	34.2	54.7	76.6	97.3	118.8	139.1	159.1	177.3	195.1
-75°	3.6	17.8	33.2	53.3	74.3	93.9	114.2	132.9	151.8	168.2	184.3
-77.5°	3.6	17.4	32.2	51.7	71.9	90.2	109.2	126.4	143.9	158.7	173.2
-80°	3.6	16.9	31.1	50.0	69.5	86.7	104.0	119.6	135.5	148.9	161.9
-82.5°	3.6	16.4	29.9	48.2	66.9	83.2	99.5	113.1	126.9	138.8	150.5
-85°	3.6	15.9	28.7	46.3	64.1	79.5	95.0	107.4	119.9	130.0	140.0
-87.5°	3.6	15.4	27.4	44.3	61.2	75.8	90.3	101.6	112.9	122.1	131.2
-90°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.0	2.4	2.4	2.4



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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°	128.8	135.3	141.3	147.2	152.6	157.9	165.0	172.1	177.5	182.8	188.2
87.5°	3.0	3.0	3.0	3.1	2.8	2.4	2.4	2.4	2.2	2.1	2.2
85°	3.5	3.6	3.6	3.6	3.1	2.8	2.8	2.9	3.0	3.0	2.8
82.5°	4.0	4.1	4.0	3.6	3.5	3.5	3.6	3.6	3.6	3.6	3.3
80°	4.5	4.7	4.3	4.0	4.1	4.2	4.0	3.7	3.6	3.7	3.8
77.5°	4.9	4.8	4.6	4.6	4.7	4.9	4.9	4.9	4.9	4.6	4.7
75°	5.3	4.9	5.0	4.9	4.9	5.5	5.9	5.9	5.7	5.5	5.6
72.5°	6.2	6.2	6.0	5.3	5.4	5.9	5.9	5.9	7.4	9.8	11.8
70°	7.8	7.7	7.2	6.8	6.5	6.9	8.9	12.3	15.9	19.3	22.5
67.5°	9.4	9.2	8.7	8.6	9.8	11.8	14.3	22.7	31.4	34.4	35.0
65°	11.1	10.9	11.0	12.3	14.0	19.9	27.6	37.7	46.1	45.5	42.0
62.5°	13.2	14.7	14.7	17.7	23.5	30.8	39.6	48.2	55.8	52.1	43.4
60°	18.8	19.8	22.5	28.0	34.1	41.2	50.4	53.2	55.1	53.7	42.2
57.5°	25.9	28.9	34.6	39.6	46.9	50.1	50.8	50.3	53.5	51.4	39.7
55°	36.2	41.5	49.1	54.2	58.5	52.3	51.6	54.9	54.5	49.9	38.5
52.5°	51.7	57.3	67.8	71.7	68.3	63.4	61.7	64.7	62.3	56.1	48.6
50°	68.6	82.0	88.9	92.0	86.0	85.3	79.2	83.0	86.4	83.3	93.9
47.5°	94.3	110.4	115.6	121.1	118.2	129.1	123.5	143.9	145.3	205.1	222.9
45°	125.3	146.9	152.9	167.2	183.0	202.0	234.8	243.5	341.7	401.5	472.2
42.5°	162.6	189.8	214.4	222.5	293.1	331.4	380.5	471.9	563.3	638.4	691.0
40°	210.7	238.4	290.2	352.1	427.1	492.1	586.1	691.8	778.9	836.6	863.7
37.5°	263.6	317.8	385.7	485.7	576.9	659.6	779.7	885.6	962.8	1016.1	1023.0
35°	320.5	397.4	508.5	609.9	704.1	816.1	935.3	1057.0	1120.3	1143.3	1241.4
32.5°	386.7	475.0	606.6	716.7	822.8	949.8	1076.5	1181.5	1237.5	1302.4	1634.4
30°	449.5	556.3	687.3	804.4	935.7	1080.4	1201.6	1300.7	1339.3	1680.4	2217.5
27.5°	499.5	626.9	758.4	899.6	1050.4	1215.8	1338.0	1402.3	1623.6	2128.4	2904.8
25°	546.1	683.2	830.3	1006.5	1178.1	1342.1	1466.4	1507.5	1967.6	2823.6	3402.3
22.5°	591.8	738.2	909.5	1119.6	1295.4	1448.4	1552.3	1801.5	2460.8	3544.9	3845.4
20°	637.4	803.2	995.6	1205.2	1399.0	1541.8	1621.7	2111.5	3059.8	3822.1	4160.2
17.5°	681.4	868.7	1074.5	1277.1	1472.5	1617.3	1720.6	2373.1	3534.2	4070.8	4403.6
15°	724.2	924.6	1135.5	1344.7	1544.0	1683.4	1963.7	2756.7	3828.9	4371.6	4723.1
12.5°	765.3	972.4	1180.5	1403.3	1613.1	1747.7	2215.8	3221.7	4136.3	4668.1	5047.9
10°	804.0	1012.5	1219.5	1456.7	1677.5	1803.6	2452.4	3656.1	4417.7	4879.0	5223.3
7.5°	843.1	1048.8	1254.8	1505.1	1738.1	1854.5	2652.6	3893.9	4528.2	5018.3	5347.1
5°	877.6	1082.2	1296.7	1564.7	1796.9	1901.4	2821.5	4053.8	4563.2	5088.0	5436.1
2.5°	907.1	1110.1	1333.3	1620.2	1849.8	1943.9	2936.6	4175.8	4605.4	5137.5	5546.8
0°	<b>931.9</b>	<b>1132.5</b>	<b>1364.0</b>	<b>1667.9</b>	<b>1894.6</b>	<b>1982.5</b>	<b>3012.9</b>	<b>4241.6</b>	<b>4632.1</b>	<b>5159.2</b>	<b>5669.7</b>
-2.5°	950.0	1162.4	1413.1	1708.3	1931.5	2022.7	3036.9	4269.8	4671.0	5279.0	5945.4
-5°	963.4	1186.4	1454.2	1740.5	1961.5	2059.8	3019.8	4243.5	4717.5	5389.6	6120.5
-7.5°	971.8	1203.7	1485.8	1764.5	1986.5	2101.6	2968.3	4213.3	4862.9	5528.4	6208.6
-10°	975.7	1212.6	1490.7	1773.5	2006.5	2143.5	2880.2	4111.0	4968.0	5581.3	6215.9
-12.5°	979.2	1214.5	1484.8	1771.9	2019.0	2181.8	2769.5	3988.2	5064.8	5601.2	6170.9
-15°	976.1	1210.7	1471.6	1760.9	2034.9	2230.2	2627.9	3760.4	5108.0	5580.3	6086.4
-17.5°	966.3	1201.5	1453.6	1746.7	2045.1	2275.2	2442.4	3409.3	4875.8	5515.9	6022.0
-20°	949.5	1184.7	1427.7	1719.5	2039.5	2294.8	2437.7	3152.3	4389.3	5389.4	5926.3



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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°	927.3	1160.8	1396.8	1683.3	2007.4	2286.8	2471.7	2869.2	3838.0	5204.0	5782.1
-25°	901.2	1130.6	1365.1	1644.4	1962.6	2271.4	2490.4	2608.3	3382.3	4575.6	5553.1
-27.5°	871.2	1094.6	1328.9	1592.4	1904.1	2225.7	2460.0	2615.6	3011.8	3857.0	5205.1
-30°	835.8	1053.0	1282.2	1532.2	1832.4	2139.4	2408.0	2606.1	2721.8	3366.7	4450.5
-32.5°	795.6	1005.1	1228.9	1474.4	1751.6	2046.6	2330.6	2544.8	2703.5	2914.6	3740.1
-35°	757.3	956.2	1169.9	1409.4	1664.9	1942.0	2208.4	2461.3	2660.2	2796.2	3131.8
-37.5°	723.4	902.9	1108.1	1338.7	1584.8	1821.9	2076.5	2337.1	2565.2	2753.2	2872.0
-40°	684.7	845.4	1044.5	1262.4	1481.6	1700.6	1938.4	2187.2	2438.5	2645.0	2826.1
-42.5°	641.3	797.0	975.2	1173.6	1375.0	1581.8	1793.5	2029.2	2266.0	2501.5	2692.5
-45°	593.2	742.9	901.3	1079.6	1262.3	1457.4	1658.1	1861.7	2085.7	2307.9	2516.9
-47.5°	539.1	682.9	833.9	979.5	1149.1	1328.2	1515.5	1707.6	1899.3	2103.4	2305.2
-50°	482.5	616.1	755.5	888.7	1033.8	1196.7	1368.7	1547.5	1728.4	1899.5	2077.1
-52.5°	430.2	543.3	670.8	798.6	925.9	1064.5	1219.9	1381.4	1548.8	1715.4	1865.6
-55°	373.6	475.3	581.3	701.9	823.6	943.5	1069.7	1215.8	1358.0	1511.3	1658.8
-57.5°	331.4	406.2	499.1	599.3	713.3	829.2	940.9	1051.0	1174.9	1303.1	1433.3
-60°	297.7	350.2	421.2	506.6	596.4	703.4	813.2	914.8	1008.3	1103.8	1221.7
-62.5°	266.5	309.6	359.0	418.5	496.5	576.0	670.5	767.4	858.3	945.6	1033.4
-65°	251.4	274.0	311.3	355.7	400.3	468.1	540.4	614.6	698.0	778.1	859.7
-67.5°	235.4	256.9	277.5	301.7	341.9	381.4	420.5	485.9	551.1	610.0	669.4
-70°	223.2	240.0	258.6	276.6	294.8	318.0	353.6	390.2	425.5	464.6	514.4
-72.5°	211.2	226.2	241.2	255.8	272.2	288.9	306.0	323.8	349.7	379.9	407.1
-75°	198.8	211.9	225.1	238.2	251.8	265.6	280.0	295.8	311.9	328.1	342.6
-77.5°	186.3	198.6	209.8	220.8	232.5	244.8	257.6	270.6	283.8	297.2	308.5
-80°	173.5	185.1	195.0	204.7	214.6	224.8	235.7	246.8	258.0	269.2	279.1
-82.5°	160.4	170.3	179.2	187.9	196.4	204.9	214.4	224.1	233.8	243.4	251.7
-85°	147.7	155.3	162.9	170.5	178.0	185.4	193.9	202.4	210.5	218.6	225.7
-87.5°	138.3	145.3	151.7	158.0	164.1	170.1	177.4	184.6	191.0	197.3	203.2
-90°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	1.8	1.2	1.2



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	193.5	197.1	200.6	203.6	206.6	210.8	214.9	220.8	226.7	233.9	241.0
87.5°	2.2	2.2	2.2	1.7	1.2	1.2	1.2	1.2	1.2	1.8	2.4
85°	2.4	2.4	2.4	2.7	3.1	3.2	3.3	3.4	3.4	3.5	3.6
82.5°	3.0	3.0	3.1	3.4	3.6	3.6	3.6	3.6	3.6	4.1	4.6
80°	3.9	4.0	4.1	4.2	4.3	4.0	3.6	3.6	3.6	4.1	4.7
77.5°	4.8	4.9	4.7	4.5	4.2	3.9	3.6	3.6	3.6	3.7	3.7
75°	5.8	5.9	6.3	6.7	7.2	7.3	6.9	7.0	7.3	7.2	6.8
72.5°	13.0	13.4	13.4	15.0	16.5	17.0	17.4	18.6	19.9	21.7	23.8
70°	25.5	28.1	29.2	29.3	28.1	27.4	26.8	26.7	27.1	28.4	30.0
67.5°	36.7	37.8	37.4	36.9	34.7	32.0	29.0	27.5	28.1	29.5	31.4
65°	41.5	38.3	35.9	35.0	33.0	29.8	25.2	22.1	21.4	21.0	20.8
62.5°	37.4	31.5	28.7	27.1	24.3	21.5	17.3	14.1	12.9	12.1	11.9
60°	32.6	25.4	20.8	18.7	15.6	12.1	10.0	7.6	6.9	6.4	6.5
57.5°	28.3	20.9	15.7	14.8	12.0	9.4	7.6	5.6	5.0	4.7	4.9
55°	29.1	25.4	21.3	19.1	15.9	14.5	12.7	11.5	10.5	10.7	11.4
52.5°	41.2	44.2	38.9	37.6	46.7	46.8	38.7	51.3	59.0	64.8	66.5
50°	106.3	105.5	140.3	134.4	166.4	192.7	193.7	209.7	240.1	260.8	272.1
47.5°	282.3	314.0	354.5	396.9	430.2	471.6	513.6	544.9	552.6	553.4	558.9
45°	531.5	576.7	637.5	682.2	745.1	783.8	816.0	845.1	912.3	974.2	1046.4
42.5°	742.1	791.5	854.7	945.4	1011.5	1188.2	1458.7	1525.1	1534.7	1589.7	1669.7
40°	908.4	973.3	1113.4	1312.2	1735.7	2115.6	2184.0	2241.1	2266.2	2235.7	2290.1
37.5°	1109.8	1261.7	1577.3	2120.8	2321.6	2425.0	2497.8	2541.5	2594.5	2643.6	2670.2
35°	1444.1	1867.4	2144.0	2434.3	2565.7	2618.0	2671.5	2725.3	2767.0	2821.3	2864.7
32.5°	2130.2	2601.6	2629.3	2701.1	2769.5	2837.7	2887.5	2938.8	2983.3	3053.6	3201.3
30°	2821.4	2924.2	2949.4	2955.9	3018.3	3099.9	3143.3	3246.8	3386.5	3546.8	3887.9
27.5°	3189.4	3260.1	3274.9	3281.9	3311.0	3407.6	3586.7	3728.0	4063.4	4470.5	5347.0
25°	3637.5	3687.8	3741.1	3738.8	3783.0	3954.2	4304.4	4602.7	5735.8	6796.2	9080.7
22.5°	4065.0	4217.1	4292.8	4394.4	4544.4	4855.9	5470.3	7196.4	10082.3	13765.2	18350.1
20°	4362.1	4566.7	4770.5	5053.9	5416.5	6062.8	7982.5	13147.5	19315.7	28266.1	35773.1
17.5°	4661.8	4892.9	5253.5	5690.5	6299.5	8469.9	14097.8	22867.9	35534.8	51424.6	65366.3
15°	5052.5	5326.8	5809.6	6433.6	8135.2	12768.1	22156.4	38114.4	57370.7	79707.1	103138.0
12.5°	5318.6	5696.6	6270.6	7076.5	9869.4	18546.4	33662.4	55539.0	82042.2	110186.8	147536.0
10°	5515.3	5967.2	6746.8	8417.8	13482.1	24924.5	43089.1	70390.7	106725.7	149620.2	192321.5
7.5°	5680.4	6289.1	7267.9	9373.2	16599.0	31025.0	54179.4	87363.3	130353.8	182039.5	231697.5
5°	5828.8	6635.8	7769.2	10403.2	19391.8	35442.1	61554.7	100038.7	149822.1	206271.5	261097.3
2.5°	6025.1	6960.3	8094.5	10686.8	20509.7	37889.6	67398.6	110273.8	163722.2	223103.2	282753.8
0°	6297.7	7171.4	8293.2	10868.1	20162.0	39423.0	70980.2	115410.5	169813.7	230172.7	292736.3
-2.5°	6512.0	7293.0	8409.0	10721.9	19992.0	38701.8	69363.8	112416.3	163849.9	222174.3	284582.2
-5°	6650.5	7380.2	8459.8	10776.5	19563.1	35945.4	64589.6	104571.0	151705.5	204354.4	262062.9
-7.5°	6731.6	7412.2	8407.1	10432.9	17614.5	32190.2	56091.7	90110.4	132394.0	181112.3	228804.5
-10°	6780.1	7391.4	8297.0	9946.8	14816.3	26160.3	44283.2	73114.9	109751.1	149007.8	188018.3
-12.5°	6798.3	7347.8	8141.8	9250.6	11879.2	20480.3	35251.0	55713.0	82908.4	115110.8	149485.5
-15°	6762.7	7284.4	7991.8	8951.8	10700.6	15353.1	24597.6	38514.0	58784.6	83371.1	108280.8
-17.5°	6629.9	7218.9	7769.6	8506.6	9536.1	11730.1	17356.5	26289.0	38650.5	54901.9	69273.3
-20°	6453.8	7095.3	7566.8	8218.2	9026.5	10030.7	11835.1	17286.6	24218.0	33626.5	43006.4



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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°	6297.2	6884.0	7476.9	7924.1	8557.0	9217.1	10032.0	11591.4	15074.3	19771.6	25717.8
-25°	6152.6	6689.8	7298.2	7781.7	8138.8	8605.5	9115.9	9662.3	10845.4	11954.6	14823.2
-27.5°	5949.1	6505.6	7033.2	7549.3	7893.4	8105.2	8453.1	8792.6	9288.0	9728.7	10571.1
-30°	5712.4	6256.8	6758.9	7227.8	7580.3	7803.1	7975.5	8209.0	8471.2	8738.0	9100.0
-32.5°	4868.6	5964.5	6431.9	6855.2	7218.9	7480.8	7663.4	7816.8	7968.1	8138.8	8329.6
-35°	3944.3	5026.7	6081.4	6411.5	6755.1	7101.8	7372.6	7517.3	7649.0	7768.6	7885.4
-37.5°	3206.9	3970.6	4917.1	5816.7	6234.3	6584.4	6909.9	7162.7	7347.4	7459.5	7564.5
-40°	2918.3	3111.8	3839.8	4580.6	5293.0	5939.8	6270.8	6644.5	6948.2	7112.9	7227.1
-42.5°	2849.3	2938.1	3006.1	3475.5	4042.2	4587.6	5191.1	5790.2	6260.3	6573.7	6806.8
-45°	2698.1	2826.0	2927.4	2969.2	2994.9	3392.5	3859.9	4317.4	4845.3	5390.7	5885.8
-47.5°	2484.0	2650.3	2764.8	2854.4	2908.0	2924.8	2957.7	3060.3	3443.6	3846.7	4230.4
-50°	2245.2	2397.5	2534.8	2659.5	2733.6	2793.8	2851.3	2906.5	2953.3	3012.2	3065.4
-52.5°	2004.6	2144.3	2267.6	2377.1	2475.4	2570.3	2661.6	2729.7	2796.4	2867.9	2926.1
-55°	1790.4	1903.6	2007.0	2103.0	2191.8	2272.0	2354.4	2442.5	2533.7	2622.9	2692.1
-57.5°	1561.4	1669.7	1767.6	1849.0	1920.4	1980.2	2055.9	2138.5	2224.3	2303.7	2364.0
-60°	1330.4	1426.1	1515.7	1594.6	1662.3	1718.0	1788.0	1857.9	1934.4	2002.4	2056.0
-62.5°	1111.0	1191.7	1267.9	1336.8	1398.4	1454.8	1516.9	1579.4	1651.3	1714.5	1765.8
-65°	928.6	991.2	1043.4	1092.2	1130.3	1179.2	1239.3	1296.8	1359.5	1414.3	1460.0
-67.5°	731.2	788.9	836.7	879.4	912.8	947.8	992.3	1038.1	1086.7	1130.2	1168.5
-70°	558.7	597.5	628.5	660.3	694.7	728.0	763.6	802.8	843.6	879.6	911.1
-72.5°	431.0	450.2	468.3	494.2	517.2	540.4	563.0	591.1	621.3	648.6	673.3
-75°	356.1	367.9	381.7	394.0	404.7	417.1	429.6	447.8	467.7	486.5	504.1
-77.5°	319.5	328.1	335.0	340.7	345.7	353.2	361.2	374.8	389.5	405.3	421.2
-80°	288.4	295.0	300.8	305.9	310.4	316.6	323.0	334.9	347.5	360.9	374.2
-82.5°	259.7	264.9	269.6	274.2	278.6	283.9	289.1	299.6	310.4	321.6	332.7
-85°	232.7	237.1	241.2	245.0	248.6	253.1	257.7	266.6	275.6	285.1	294.5
-87.5°	209.0	213.0	217.0	220.4	223.8	227.7	231.6	239.4	247.3	255.2	263.1
-90°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2



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 CATALOG NUMBER: EPH-08-680N-40-70-3S-VHE-A

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	241.6	242.2	242.8	243.4	242.8	242.2	241.6	241.0	233.9	226.7	220.8
87.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	1.8	1.2	1.2
85°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.5	3.4	3.4
82.5°	4.1	3.6	4.1	4.7	4.1	3.6	4.1	4.6	4.1	3.6	3.6
80°	4.2	3.6	4.1	4.7	4.1	3.6	4.2	4.7	4.1	3.6	3.6
77.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.7	3.7	3.6	3.6
75°	5.9	4.8	4.2	3.6	4.2	4.8	5.9	6.8	7.2	7.3	7.0
72.5°	24.4	24.4	24.8	24.9	24.8	24.4	24.4	23.8	21.7	19.9	18.6
70°	31.0	31.8	32.0	32.1	32.0	31.8	31.0	30.0	28.4	27.1	26.7
67.5°	31.6	31.0	30.4	29.7	30.4	31.0	31.6	31.4	29.5	28.1	27.5
65°	19.8	18.5	16.3	14.2	16.3	18.5	19.8	20.8	21.0	21.4	22.1
62.5°	11.5	11.0	10.8	10.7	10.8	11.0	11.5	11.9	12.1	12.9	14.1
60°	6.7	7.1	7.1	7.1	7.1	7.1	6.7	6.5	6.4	6.9	7.6
57.5°	5.1	5.7	6.4	7.1	6.4	5.7	5.1	4.9	4.7	5.0	5.6
55°	12.1	13.5	14.1	14.2	14.1	13.5	12.1	11.4	10.7	10.5	11.5
52.5°	64.2	60.8	58.0	55.8	58.0	60.8	64.2	66.5	64.8	59.0	51.3
50°	277.1	284.3	287.7	287.3	287.7	284.3	277.1	272.1	260.8	240.1	209.7
47.5°	570.7	574.8	571.5	562.7	571.5	574.8	570.7	558.9	553.4	552.6	544.9
45°	1134.6	1085.5	998.3	921.2	998.3	1085.5	1134.6	1046.4	974.2	912.3	845.1
42.5°	1776.2	1835.0	1879.1	1899.4	1879.1	1835.0	1776.2	1669.7	1589.7	1534.7	1525.1
40°	2228.9	2166.1	2153.4	2162.9	2153.4	2166.1	2228.9	2290.1	2235.7	2266.2	2241.1
37.5°	2677.0	2734.1	2776.5	2707.8	2776.5	2734.1	2677.0	2670.2	2643.6	2594.5	2541.5
35°	2965.6	3168.8	3407.2	3479.4	3407.2	3168.8	2965.6	2864.7	2821.3	2767.0	2725.3
32.5°	3448.4	3662.9	3755.8	3778.6	3755.8	3662.9	3448.4	3201.3	3053.6	2983.3	2938.8
30°	4216.5	4430.8	4469.3	4500.4	4469.3	4430.8	4216.5	3887.9	3546.8	3386.5	3246.8
27.5°	5928.7	6407.9	6521.6	6601.6	6521.6	6407.9	5928.7	5347.0	4470.5	4063.4	3728.0
25°	10884.2	12130.8	12945.0	12866.0	12945.0	12130.8	10884.2	9080.7	6796.2	5735.8	4602.7
22.5°	22943.9	25390.8	26696.5	26673.4	26696.5	25390.8	22943.9	18350.1	13765.2	10082.3	7196.4
20°	46468.2	53708.6	57627.5	57181.1	57627.5	53708.6	46468.2	35773.1	28266.1	19315.7	13147.5
17.5°	81025.7	95009.9	104779.6	105179.9	104779.6	95009.9	81025.7	65366.3	51424.6	35534.8	22867.9
15°	125289.9	146039.0	160686.6	160684.8	160686.6	146039.0	125289.9	103138.0	79707.1	57370.7	38114.4
12.5°	179162.0	203964.0	220723.1	223236.4	220723.1	203964.0	179162.0	147536.0	110186.8	82042.2	55539.0
10°	230865.0	258958.2	284294.3	291270.2	284294.3	258958.2	230865.0	192321.5	149620.2	106725.7	70390.7
7.5°	274627.3	318820.1	341898.9	349167.8	341898.9	318820.1	274627.3	231697.5	182039.5	130353.8	87363.3
5°	317582.9	355835.5	375212.1	380821.6	375212.1	355835.5	317582.9	261097.3	206271.5	149822.1	100038.7
2.5°	340178.9	375290.9	402525.0	418319.1	402525.0	375290.9	340178.9	282753.8	223103.2	163722.2	110273.8
0°	348680.4	382039.6	418563.1	443439.7	418563.1	382039.6	348680.4	292736.3	230172.7	169813.7	115410.5
-2.5°	340177.0	372456.0	399371.5	412475.6	399371.5	372456.0	340177.0	284582.2	222174.3	163849.9	112416.3
-5°	314400.3	352367.7	371964.3	376925.5	371964.3	352367.7	314400.3	262062.9	204354.4	151705.5	104571.0
-7.5°	273231.3	309746.3	333772.9	339184.7	333772.9	309746.3	273231.3	228804.5	181112.3	132394.0	90110.4
-10°	227398.1	258588.1	274797.2	278805.4	274797.2	258588.1	227398.1	188018.3	149007.8	109751.1	73114.9
-12.5°	176693.3	199566.7	216112.8	218358.5	216112.8	199566.7	176693.3	149485.5	115110.8	82908.4	55713.0
-15°	131520.9	146648.2	159987.7	161520.5	159987.7	146648.2	131520.9	108280.8	83371.1	58784.6	38514.0
-17.5°	88112.2	100636.3	108100.1	110253.6	108100.1	100636.3	88112.2	69273.3	54901.9	38650.5	26289.0
-20°	52793.7	61755.7	66729.8	66916.7	66729.8	61755.7	52793.7	43006.4	33626.5	24218.0	17286.6



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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°	30628.4	35614.8	38246.6	38195.5	38246.6	35614.8	30628.4	25717.8	19771.6	15074.3	11591.4
-25°	17664.0	19847.3	20718.7	20749.6	20718.7	19847.3	17664.0	14823.2	11954.6	10845.4	9662.3
-27.5°	11247.4	11748.6	11949.3	11981.6	11949.3	11748.6	11247.4	10571.1	9728.7	9288.0	8792.6
-30°	9430.0	9723.2	9858.1	9895.8	9858.1	9723.2	9430.0	9100.0	8738.0	8471.2	8209.0
-32.5°	8508.7	8670.3	8779.3	8763.3	8779.3	8670.3	8508.7	8329.6	8138.8	7968.1	7816.8
-35°	7999.4	8099.4	8160.6	8189.9	8160.6	8099.4	7999.4	7885.4	7768.6	7649.0	7517.3
-37.5°	7669.1	7758.5	7816.5	7833.8	7816.5	7758.5	7669.1	7564.5	7459.5	7347.4	7162.7
-40°	7325.4	7399.8	7447.5	7464.6	7447.5	7399.8	7325.4	7227.1	7112.9	6948.2	6644.5
-42.5°	6954.5	7034.5	7072.5	7072.9	7072.5	7034.5	6954.5	6806.8	6573.7	6260.3	5790.2
-45°	6292.0	6538.0	6661.2	6666.9	6661.2	6538.0	6292.0	5885.8	5390.7	4845.3	4317.4
-47.5°	4579.5	4822.6	5018.1	5162.8	5018.1	4822.6	4579.5	4230.4	3846.7	3443.6	3060.3
-50°	3111.9	3127.9	3128.9	3115.0	3128.9	3127.9	3111.9	3065.4	3012.2	2953.3	2906.5
-52.5°	2971.4	2988.0	3000.2	3007.0	3000.2	2988.0	2971.4	2926.1	2867.9	2796.4	2729.7
-55°	2743.3	2764.3	2772.9	2769.5	2772.9	2764.3	2743.3	2692.1	2622.9	2533.7	2442.5
-57.5°	2404.5	2418.4	2424.8	2422.9	2424.8	2418.4	2404.5	2364.0	2303.7	2224.3	2138.5
-60°	2088.9	2099.2	2105.2	2104.8	2105.2	2099.2	2088.9	2056.0	2002.4	1934.4	1857.9
-62.5°	1794.7	1803.9	1810.6	1811.5	1810.6	1803.9	1794.7	1765.8	1714.5	1651.3	1579.4
-65°	1482.9	1489.8	1494.3	1493.4	1494.3	1489.8	1482.9	1460.0	1414.3	1359.5	1296.8
-67.5°	1185.4	1190.3	1194.3	1194.2	1194.3	1190.3	1185.4	1168.5	1130.2	1086.7	1038.1
-70°	921.2	921.6	923.6	922.4	923.6	921.6	921.2	911.1	879.6	843.6	802.8
-72.5°	679.0	678.4	678.0	675.5	678.0	678.4	679.0	673.3	648.6	621.3	591.1
-75°	505.8	504.1	502.4	499.8	502.4	504.1	505.8	504.1	486.5	467.7	447.8
-77.5°	423.0	422.9	420.1	416.7	420.1	422.9	423.0	421.2	405.3	389.5	374.8
-80°	374.9	374.5	373.2	371.6	373.2	374.5	374.9	374.2	360.9	347.5	334.9
-82.5°	333.8	334.4	334.1	333.6	334.1	334.4	333.8	332.7	321.6	310.4	299.6
-85°	295.6	296.6	296.1	295.6	296.1	296.6	295.6	294.5	285.1	275.6	266.6
-87.5°	263.9	264.6	264.7	264.7	264.7	264.6	263.9	263.1	255.2	247.3	239.4
-90°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	214.9	210.8	206.6	203.6	200.6	197.1	193.5	188.2	182.8	177.5	172.1
87.5°	1.2	1.2	1.2	1.7	2.2	2.2	2.2	2.2	2.1	2.2	2.4
85°	3.3	3.2	3.1	2.7	2.4	2.4	2.4	2.8	3.0	3.0	2.9
82.5°	3.6	3.6	3.6	3.4	3.1	3.0	3.0	3.3	3.6	3.6	3.6
80°	3.6	4.0	4.3	4.2	4.1	4.0	3.9	3.8	3.7	3.6	3.7
77.5°	3.6	3.9	4.2	4.5	4.7	4.9	4.8	4.7	4.6	4.9	4.9
75°	6.9	7.3	7.2	6.7	6.3	5.9	5.8	5.6	5.5	5.7	5.9
72.5°	17.4	17.0	16.5	15.0	13.4	13.4	13.0	11.8	9.8	7.4	5.9
70°	26.8	27.4	28.1	29.3	29.2	28.1	25.5	22.5	19.3	15.9	12.3
67.5°	29.0	32.0	34.7	36.9	37.4	37.8	36.7	35.0	34.4	31.4	22.7
65°	25.2	29.8	33.0	35.0	35.9	38.3	41.5	42.0	45.5	46.1	37.7
62.5°	17.3	21.5	24.3	27.1	28.7	31.5	37.4	43.4	52.1	55.8	48.2
60°	10.0	12.1	15.6	18.7	20.8	25.4	32.6	42.2	53.7	55.1	53.2
57.5°	7.6	9.4	12.0	14.8	15.7	20.9	28.3	39.7	51.4	53.5	50.3
55°	12.7	14.5	15.9	19.1	21.3	25.4	29.1	38.5	49.9	54.5	54.9
52.5°	38.7	46.8	46.7	37.6	38.9	44.2	41.2	48.6	56.1	62.3	64.7
50°	193.7	192.7	166.4	134.4	140.3	105.5	106.3	93.9	83.3	86.4	83.0
47.5°	513.6	471.6	430.2	396.9	354.5	314.0	282.3	222.9	205.1	145.3	143.9
45°	816.0	783.8	745.1	682.2	637.5	576.7	531.5	472.2	401.5	341.7	243.5
42.5°	1458.7	1188.2	1011.5	945.4	854.7	791.5	742.1	691.0	638.4	563.3	471.9
40°	2184.0	2115.6	1735.7	1312.2	1113.4	973.3	908.4	863.7	836.6	778.9	691.8
37.5°	2497.8	2425.0	2321.6	2120.8	1577.3	1261.7	1109.8	1023.0	1016.1	962.8	885.6
35°	2671.5	2618.0	2565.7	2434.3	2144.0	1867.4	1444.1	1241.4	1143.3	1120.3	1057.0
32.5°	2887.5	2837.7	2769.5	2701.1	2629.3	2601.6	2130.2	1634.4	1302.4	1237.5	1181.5
30°	3143.3	3099.9	3018.3	2955.9	2949.4	2924.2	2821.4	2217.5	1680.4	1339.3	1300.7
27.5°	3586.7	3407.6	3311.0	3281.9	3274.9	3260.1	3189.4	2904.8	2128.4	1623.6	1402.3
25°	4304.4	3954.2	3783.0	3738.8	3741.1	3687.8	3637.5	3402.3	2823.6	1967.6	1507.5
22.5°	5470.3	4855.9	4544.4	4394.4	4292.8	4217.1	4065.0	3845.4	3544.9	2460.8	1801.5
20°	7982.5	6062.8	5416.5	5053.9	4770.5	4566.7	4362.1	4160.2	3822.1	3059.8	2111.5
17.5°	14097.8	8469.9	6299.5	5690.5	5253.5	4892.9	4661.8	4403.6	4070.8	3534.2	2373.1
15°	22156.4	12768.1	8135.2	6433.6	5809.6	5326.8	5052.5	4723.1	4371.6	3828.9	2756.7
12.5°	33662.4	18546.4	9869.4	7076.5	6270.6	5696.6	5318.6	5047.9	4668.1	4136.3	3221.7
10°	43089.1	24924.5	13482.1	8417.8	6746.8	5967.2	5515.3	5223.3	4879.0	4417.7	3656.1
7.5°	54179.4	31025.0	16599.0	9373.2	7267.9	6289.1	5680.4	5347.1	5018.3	4528.2	3893.9
5°	61554.7	35442.1	19391.8	10403.2	7769.2	6635.8	5828.8	5436.1	5088.0	4563.2	4053.8
2.5°	67398.6	37889.6	20509.7	10686.8	8094.5	6960.3	6025.1	5546.8	5137.5	4605.4	4175.8
0°	70980.2	39423.0	20162.0	10868.1	8293.2	7171.4	6297.7	5669.7	5159.2	4632.1	4241.6
-2.5°	69363.8	38701.8	19992.0	10721.9	8409.0	7293.0	6512.0	5945.4	5279.0	4671.0	4269.8
-5°	64589.6	35945.4	19563.1	10776.5	8459.8	7380.2	6650.5	6120.5	5389.6	4717.5	4243.5
-7.5°	56091.7	32190.2	17614.5	10432.9	8407.1	7412.2	6731.6	6208.6	5528.4	4862.9	4213.3
-10°	44283.2	26160.3	14816.3	9946.8	8297.0	7391.4	6780.1	6215.9	5581.3	4968.0	4111.0
-12.5°	35251.0	20480.3	11879.2	9250.6	8141.8	7347.8	6798.3	6170.9	5601.2	5064.8	3988.2
-15°	24597.6	15353.1	10700.6	8951.8	7991.8	7284.4	6762.7	6086.4	5580.3	5108.0	3760.4
-17.5°	17356.5	11730.1	9536.1	8506.6	7769.6	7218.9	6629.9	6022.0	5515.9	4875.8	3409.3
-20°	11835.1	10030.7	9026.5	8218.2	7566.8	7095.3	6453.8	5926.3	5389.4	4389.3	3152.3



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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°	10032.0	9217.1	8557.0	7924.1	7476.9	6884.0	6297.2	5782.1	5204.0	3838.0	2869.2
-25°	9115.9	8605.5	8138.8	7781.7	7298.2	6689.8	6152.6	5553.1	4575.6	3382.3	2608.3
-27.5°	8453.1	8105.2	7893.4	7549.3	7033.2	6505.6	5949.1	5205.1	3857.0	3011.8	2615.6
-30°	7975.5	7803.1	7580.3	7227.8	6758.9	6256.8	5712.4	4450.5	3366.7	2721.8	2606.1
-32.5°	7663.4	7480.8	7218.9	6855.2	6431.9	5964.5	4868.6	3740.1	2914.6	2703.5	2544.8
-35°	7372.6	7101.8	6755.1	6411.5	6081.4	5026.7	3944.3	3131.8	2796.2	2660.2	2461.3
-37.5°	6909.9	6584.4	6234.3	5816.7	4917.1	3970.6	3206.9	2872.0	2753.2	2565.2	2337.1
-40°	6270.8	5939.8	5293.0	4580.6	3839.8	3111.8	2918.3	2826.1	2645.0	2438.5	2187.2
-42.5°	5191.1	4587.6	4042.2	3475.5	3006.1	2938.1	2849.3	2692.5	2501.5	2266.0	2029.2
-45°	3859.9	3392.5	2994.9	2969.2	2927.4	2826.0	2698.1	2516.9	2307.9	2085.7	1861.7
-47.5°	2957.7	2924.8	2908.0	2854.4	2764.8	2650.3	2484.0	2305.2	2103.4	1899.3	1707.6
-50°	2851.3	2793.8	2733.6	2659.5	2534.8	2397.5	2245.2	2077.1	1899.5	1728.4	1547.5
-52.5°	2661.6	2570.3	2475.4	2377.1	2267.6	2144.3	2004.6	1865.6	1715.4	1548.8	1381.4
-55°	2354.4	2272.0	2191.8	2103.0	2007.0	1903.6	1790.4	1658.8	1511.3	1358.0	1215.8
-57.5°	2055.9	1980.2	1920.4	1849.0	1767.6	1669.7	1561.4	1433.3	1303.1	1174.9	1051.0
-60°	1788.0	1718.0	1662.3	1594.6	1515.7	1426.1	1330.4	1221.7	1103.8	1008.3	914.8
-62.5°	1516.9	1454.8	1398.4	1336.8	1267.9	1191.7	1111.0	1033.4	945.6	858.3	767.4
-65°	1239.3	1179.2	1130.3	1092.2	1043.4	991.2	928.6	859.7	778.1	698.0	614.6
-67.5°	992.3	947.8	912.8	879.4	836.7	788.9	731.2	669.4	610.0	551.1	485.9
-70°	763.6	728.0	694.7	660.3	628.5	597.5	558.7	514.4	464.6	425.5	390.2
-72.5°	563.0	540.4	517.2	494.2	468.3	450.2	431.0	407.1	379.9	349.7	323.8
-75°	429.6	417.1	404.7	394.0	381.7	367.9	356.1	342.6	328.1	311.9	295.8
-77.5°	361.2	353.2	345.7	340.7	335.0	328.1	319.5	308.5	297.2	283.8	270.6
-80°	323.0	316.6	310.4	305.9	300.8	295.0	288.4	279.1	269.2	258.0	246.8
-82.5°	289.1	283.9	278.6	274.2	269.6	264.9	259.7	251.7	243.4	233.8	224.1
-85°	257.7	253.1	248.6	245.0	241.2	237.1	232.7	225.7	218.6	210.5	202.4
-87.5°	231.6	227.7	223.8	220.4	217.0	213.0	209.0	203.2	197.3	191.0	184.6
-90°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.8	2.4



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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	165.0	157.9	152.6	147.2	141.3	135.3	128.8	122.3	114.0	105.7	95.6
87.5°	2.4	2.4	2.8	3.1	3.0	3.0	3.0	2.9	3.1	3.2	3.5
85°	2.8	2.8	3.1	3.6	3.6	3.6	3.5	3.4	3.8	4.0	4.0
82.5°	3.6	3.5	3.5	3.6	4.0	4.1	4.0	3.9	4.4	4.7	4.5
80°	4.0	4.2	4.1	4.0	4.3	4.7	4.5	4.4	4.8	5.2	5.1
77.5°	4.9	4.9	4.7	4.6	4.6	4.8	4.9	5.0	5.3	5.6	5.6
75°	5.9	5.5	4.9	4.9	5.0	4.9	5.3	5.6	6.0	6.1	6.2
72.5°	5.9	5.9	5.4	5.3	6.0	6.2	6.2	6.3	6.8	7.1	7.0
70°	8.9	6.9	6.5	6.8	7.2	7.7	7.8	7.9	7.7	8.2	8.2
67.5°	14.3	11.8	9.8	8.6	8.7	9.2	9.4	9.9	9.9	9.4	9.5
65°	27.6	19.9	14.0	12.3	11.0	10.9	11.1	12.1	12.1	11.9	10.9
62.5°	39.6	30.8	23.5	17.7	14.7	14.7	13.2	14.6	14.5	14.5	13.2
60°	50.4	41.2	34.1	28.0	22.5	19.8	18.8	17.4	17.7	17.3	16.0
57.5°	50.8	50.1	46.9	39.6	34.6	28.9	25.9	23.6	21.4	21.1	18.9
55°	51.6	52.3	58.5	54.2	49.1	41.5	36.2	31.9	26.8	25.4	22.0
52.5°	61.7	63.4	68.3	71.7	67.8	57.3	51.7	40.9	36.8	30.0	26.4
50°	79.2	85.3	86.0	92.0	88.9	82.0	68.6	57.5	47.8	36.7	31.0
47.5°	123.5	129.1	118.2	121.1	115.6	110.4	94.3	77.5	59.7	47.8	35.9
45°	234.8	202.0	183.0	167.2	152.9	146.9	125.3	99.6	80.1	59.4	41.0
42.5°	380.5	331.4	293.1	222.5	214.4	189.8	162.6	133.4	102.1	71.6	49.5
40°	586.1	492.1	427.1	352.1	290.2	238.4	210.7	171.6	125.6	86.9	60.4
37.5°	779.7	659.6	576.9	485.7	385.7	317.8	263.6	212.5	153.5	108.4	71.6
35°	935.3	816.1	704.1	609.9	508.5	397.4	320.5	258.3	189.5	130.8	82.9
32.5°	1076.5	949.8	822.8	716.7	606.6	475.0	386.7	303.7	225.7	154.0	94.9
30°	1201.6	1080.4	935.7	804.4	687.3	556.3	449.5	346.2	261.9	177.8	108.7
27.5°	1338.0	1215.8	1050.4	899.6	758.4	626.9	499.5	385.6	298.1	202.0	126.8
25°	1466.4	1342.1	1178.1	1006.5	830.3	683.2	546.1	422.4	332.1	226.6	144.0
22.5°	1552.3	1448.4	1295.4	1119.6	909.5	738.2	591.8	462.5	355.1	249.0	160.0
20°	1621.7	1541.8	1399.0	1205.2	995.6	803.2	637.4	494.8	376.4	269.3	175.0
17.5°	1720.6	1617.3	1472.5	1277.1	1074.5	868.7	681.4	525.1	396.0	287.5	188.9
15°	1963.7	1683.4	1544.0	1344.7	1135.5	924.6	724.2	553.9	413.8	303.5	201.4
12.5°	2215.8	1747.7	1613.1	1403.3	1180.5	972.4	765.3	580.7	429.8	319.9	212.5
10°	2452.4	1803.6	1677.5	1456.7	1219.5	1012.5	804.0	610.0	453.6	336.6	222.5
7.5°	2652.6	1854.5	1738.1	1505.1	1254.8	1048.8	843.1	646.6	477.6	352.1	231.3
5°	2821.5	1901.4	1796.9	1564.7	1296.7	1082.2	877.6	680.5	500.1	365.9	239.0
2.5°	2936.6	1943.9	1849.8	1620.2	1333.3	1110.1	907.1	711.3	520.7	378.1	245.4
0°	3012.9	1982.5	1894.6	1667.9	1364.0	1132.5	931.9	738.4	539.0	388.2	250.5
-2.5°	3036.9	2022.7	1931.5	1708.3	1413.1	1162.4	950.0	751.0	551.4	399.6	259.0
-5°	3019.8	2059.8	1961.5	1740.5	1454.2	1186.4	963.4	759.6	561.0	408.7	266.1
-7.5°	2968.3	2101.6	1986.5	1764.5	1485.8	1203.7	971.8	764.2	568.0	415.4	271.6
-10°	2880.2	2143.5	2006.5	1773.5	1490.7	1212.6	975.7	764.8	572.2	419.6	275.5
-12.5°	2769.5	2181.8	2019.0	1771.9	1484.8	1214.5	979.2	763.1	573.5	421.1	277.5
-15°	2627.9	2230.2	2034.9	1760.9	1471.6	1210.7	976.1	757.2	569.9	418.6	277.7
-17.5°	2442.4	2275.2	2045.1	1746.7	1453.6	1201.5	966.3	746.0	563.1	411.8	275.2
-20°	2437.7	2294.8	2039.5	1719.5	1427.7	1184.7	949.5	729.3	553.2	402.6	270.5



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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°	2471.7	2286.8	2007.4	1683.3	1396.8	1160.8	927.3	707.5	540.0	390.9	264.2
-25°	2490.4	2271.4	1962.6	1644.4	1365.1	1130.6	901.2	684.5	523.5	376.8	256.2
-27.5°	2460.0	2225.7	1904.1	1592.4	1328.9	1094.6	871.2	668.1	508.6	360.3	246.5
-30°	2408.0	2139.4	1832.4	1532.2	1282.2	1053.0	835.8	648.3	492.1	346.9	235.3
-32.5°	2330.6	2046.6	1751.6	1474.4	1228.9	1005.1	795.6	624.6	472.9	335.5	227.9
-35°	2208.4	1942.0	1664.9	1409.4	1169.9	956.2	757.3	597.0	451.1	321.1	221.6
-37.5°	2076.5	1821.9	1584.8	1338.7	1108.1	902.9	723.4	567.9	426.6	303.7	214.5
-40°	1938.4	1700.6	1481.6	1262.4	1044.5	845.4	684.7	535.1	402.7	283.3	205.9
-42.5°	1793.5	1581.8	1375.0	1173.6	975.2	797.0	641.3	497.1	374.1	268.1	195.9
-45°	1658.1	1457.4	1262.3	1079.6	901.3	742.9	593.2	455.3	342.3	254.8	188.2
-47.5°	1515.5	1328.2	1149.1	979.5	833.9	682.9	539.1	416.4	308.2	239.6	185.3
-50°	1368.7	1196.7	1033.8	888.7	755.5	616.1	482.5	374.4	287.8	221.8	181.6
-52.5°	1219.9	1064.5	925.9	798.6	670.8	543.3	430.2	331.0	265.8	212.0	177.2
-55°	1069.7	943.5	823.6	701.9	581.3	475.3	373.6	303.4	242.4	205.4	172.4
-57.5°	940.9	829.2	713.3	599.3	499.1	406.2	331.4	274.4	230.6	198.3	169.1
-60°	813.2	703.4	596.4	506.6	421.2	350.2	297.7	250.4	221.9	191.2	165.1
-62.5°	670.5	576.0	496.5	418.5	359.0	309.6	266.5	238.5	212.2	185.6	160.4
-65°	540.4	468.1	400.3	355.7	311.3	274.0	251.4	225.8	203.5	179.3	155.5
-67.5°	420.5	381.4	341.9	301.7	277.5	256.9	235.4	215.2	194.9	172.6	150.4
-70°	353.6	318.0	294.8	276.6	258.6	240.0	223.2	205.3	186.1	166.0	144.9
-72.5°	306.0	288.9	272.2	255.8	241.2	226.2	211.2	195.1	177.3	159.1	139.1
-75°	280.0	265.6	251.8	238.2	225.1	211.9	198.8	184.3	168.2	151.8	132.9
-77.5°	257.6	244.8	232.5	220.8	209.8	198.6	186.3	173.2	158.7	143.9	126.4
-80°	235.7	224.8	214.6	204.7	195.0	185.1	173.5	161.9	148.9	135.5	119.6
-82.5°	214.4	204.9	196.4	187.9	179.2	170.3	160.4	150.5	138.8	126.9	113.1
-85°	193.9	185.4	178.0	170.5	162.9	155.3	147.7	140.0	130.0	119.9	107.4
-87.5°	177.4	170.1	164.1	158.0	151.7	145.3	138.3	131.2	122.1	112.9	101.6
-90°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	85.5	71.8	58.2	42.1	26.1	14.8	3.6
87.5°	3.9	4.0	4.0	3.9	3.8	3.9	3.6
85°	4.2	4.3	4.4	4.2	4.0	4.2	3.6
82.5°	4.5	4.7	4.8	4.5	4.2	4.4	3.6
80°	4.8	5.1	5.2	4.8	4.4	4.7	3.6
77.5°	5.5	5.6	5.6	5.1	4.7	5.0	3.6
75°	6.2	6.3	6.0	5.4	4.9	5.3	3.6
72.5°	6.9	7.0	6.7	5.7	5.2	5.6	3.6
70°	7.7	7.7	7.4	6.0	5.5	5.9	3.6
67.5°	9.1	8.4	8.1	6.7	5.8	6.2	3.6
65°	10.7	9.6	8.8	7.5	6.2	6.5	3.6
62.5°	12.3	11.2	9.6	8.2	6.6	6.8	3.6
60°	14.0	12.8	10.4	8.9	7.0	7.1	3.6
57.5°	16.7	14.5	12.0	9.7	7.8	7.4	3.6
55°	19.5	16.3	13.6	10.5	8.6	7.7	3.6
52.5°	22.3	18.2	15.3	11.3	9.5	8.0	3.6
50°	25.2	20.9	17.1	12.1	10.4	8.4	3.6
47.5°	28.3	23.6	18.8	13.0	11.2	8.7	3.6
45°	32.7	26.5	20.6	14.4	12.2	9.0	3.6
42.5°	37.2	29.4	22.5	15.7	13.1	9.3	3.6
40°	42.1	32.5	24.6	17.5	14.0	9.7	3.6
37.5°	47.5	35.6	27.0	19.4	15.0	10.0	3.6
35°	53.0	39.6	29.4	21.4	15.9	10.3	3.6
32.5°	59.9	43.9	31.8	23.4	16.9	10.7	3.6
30°	69.7	48.3	34.2	25.4	17.9	11.0	3.6
27.5°	79.4	52.7	37.3	27.3	18.9	11.3	3.6
25°	89.0	57.0	40.4	29.3	19.9	11.6	3.6
22.5°	98.3	61.3	43.4	31.2	20.8	11.9	3.6
20°	107.3	65.8	46.4	33.1	21.8	12.2	3.6
17.5°	115.7	70.1	49.3	35.0	22.7	12.5	3.6
15°	123.4	74.2	52.1	36.8	23.7	12.8	3.6
12.5°	130.6	78.1	54.8	38.5	24.6	13.1	3.6
10°	137.1	81.7	57.4	40.3	25.4	13.3	3.6
7.5°	143.0	85.1	59.9	41.9	26.3	13.6	3.6
5°	148.3	88.3	62.2	43.4	27.1	13.8	3.6
2.5°	152.8	91.2	64.4	44.9	27.8	14.0	3.6
0°	156.7	93.8	66.5	46.3	28.5	14.2	3.6
-2.5°	161.7	97.7	69.5	48.4	29.8	14.8	3.6
-5°	166.0	101.4	72.2	50.3	31.0	15.3	3.6
-7.5°	169.5	104.8	74.9	52.1	32.1	15.9	3.6
-10°	172.2	107.8	77.3	53.8	33.2	16.4	3.6
-12.5°	174.0	110.6	79.5	55.4	34.2	16.9	3.6
-15°	175.0	113.0	81.5	56.9	35.2	17.4	3.6
-17.5°	175.1	115.0	83.3	58.2	36.1	17.8	3.6
-20°	174.5	116.7	84.9	59.3	36.9	18.2	3.6



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	173.1	118.1	86.3	60.4	37.6	18.5	3.6
-25°	170.9	119.3	87.4	61.2	38.2	18.9	3.6
-27.5°	167.7	120.2	88.3	62.0	38.8	19.2	3.6
-30°	163.6	120.8	89.0	62.5	39.2	19.4	3.6
-32.5°	158.6	121.1	89.9	62.9	39.6	19.7	3.6
-35°	156.8	121.0	90.5	63.2	39.9	19.9	3.6
-37.5°	156.3	120.9	90.9	63.2	40.1	20.0	3.6
-40°	155.4	121.2	91.1	63.1	40.2	20.1	3.6
-42.5°	154.0	121.1	91.1	63.0	40.2	20.2	3.6
-45°	152.1	120.7	91.0	62.9	40.1	20.3	3.6
-47.5°	149.6	120.1	90.7	62.7	40.0	20.3	3.6
-50°	147.9	119.2	90.1	62.5	39.7	20.2	3.6
-52.5°	146.0	118.0	89.2	62.3	39.4	20.1	3.6
-55°	143.8	116.2	88.1	61.8	39.0	20.0	3.6
-57.5°	141.1	114.1	86.7	61.3	38.4	19.9	3.6
-60°	138.0	111.8	85.2	60.5	37.8	19.7	3.6
-62.5°	134.8	109.2	83.9	59.6	37.3	19.5	3.6
-65°	131.2	106.3	82.3	58.6	36.6	19.2	3.6
-67.5°	127.4	103.4	80.6	57.4	35.9	18.9	3.6
-70°	123.2	100.5	78.7	56.1	35.1	18.6	3.6
-72.5°	118.8	97.3	76.6	54.7	34.2	18.2	3.6
-75°	114.2	93.9	74.3	53.3	33.2	17.8	3.6
-77.5°	109.2	90.2	71.9	51.7	32.2	17.4	3.6
-80°	104.0	86.7	69.5	50.0	31.1	16.9	3.6
-82.5°	99.5	83.2	66.9	48.2	29.9	16.4	3.6
-85°	95.0	79.5	64.1	46.3	28.7	15.9	3.6
-87.5°	90.3	75.8	61.2	44.3	27.4	15.4	3.6
-90°	3.6	3.6	3.6	3.6	3.6	3.6	3.6

(END OF REPORT)