

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: P1306296 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-680N-40-70-5S-VHE-A**

Issue Date: 2/3/2026

Test Information

Test Method: LM-79-08
Report Number: P1306296 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-5)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-08-680N-40-70-5S-VHE-A
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 5S BEAM SHAPE WITH ANODIZED CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

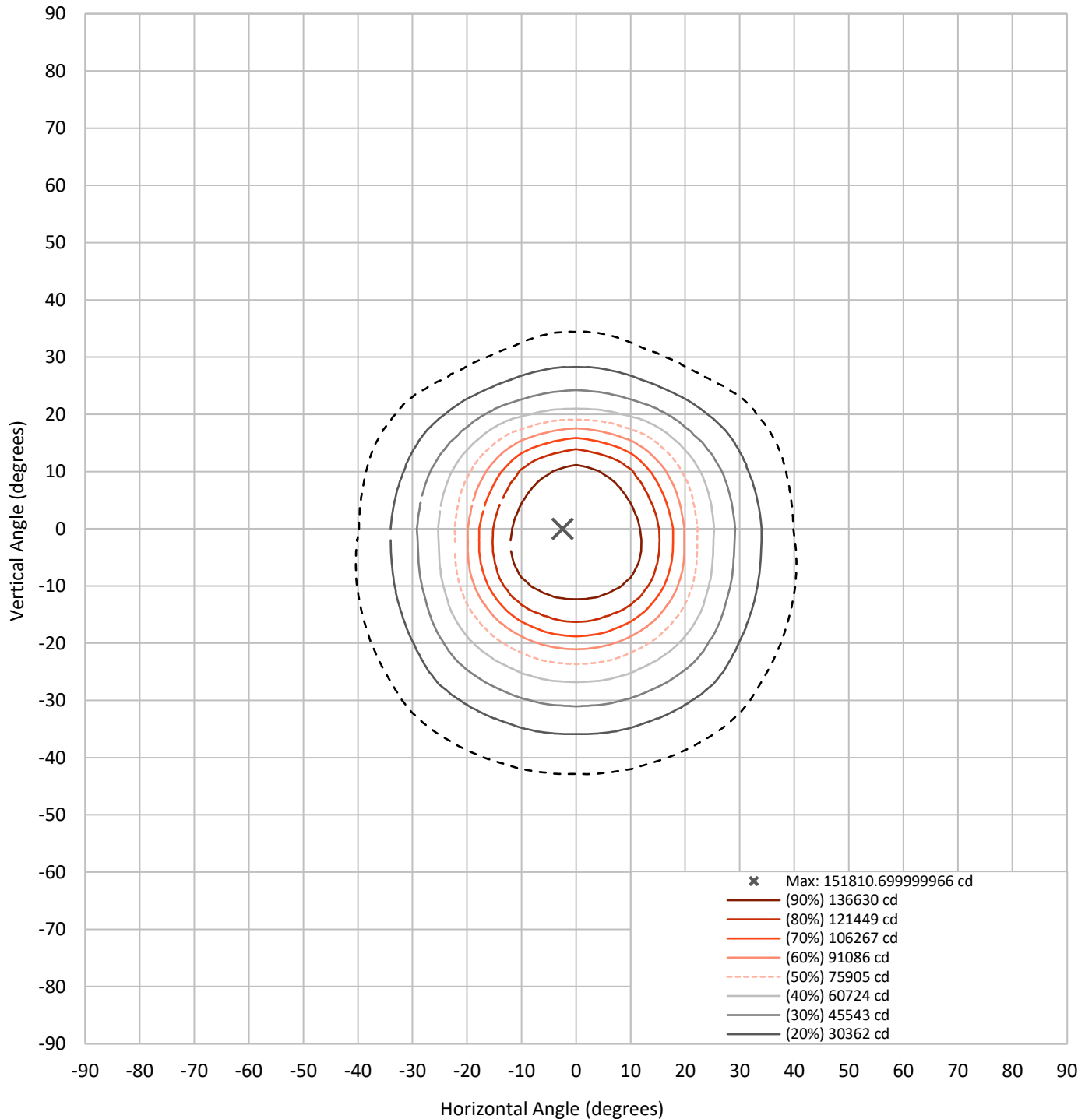
Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	98849.4 lumens	Max Intensity:	151810.7 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	143.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		

Beam Angle (50%):	44.5°H x 42.5°V	Field Angle (10%):	79.6°H x 77.3°V
Beam Lumens:	54277.6 lumens	Field Lumens:	90830.5 lumens
Beam Efficiency:	54.9%	Field Efficiency:	91.9%

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

REPORT NUMBER: P1306296 (CONVERTED FROM TYPE C PHOTOMETRY)
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Iso-Candela Plot





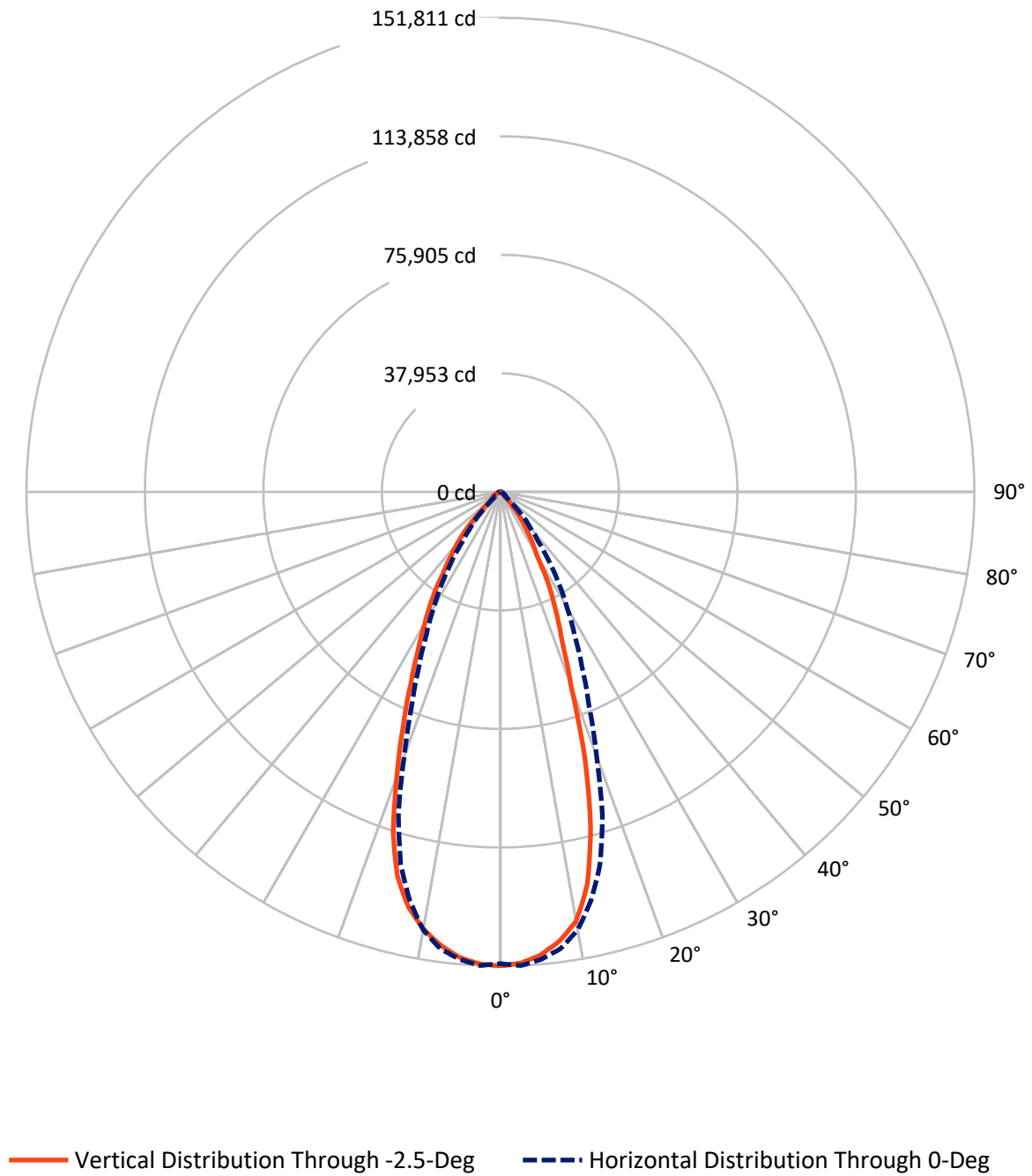
REPORT NUMBER: P1306296 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table

90	0.4	1.5		2.5		3.4		3.8		3.4		2.5		1.5		0.4			
80	0.4	1.5		2.5		3.4		3.8		3.4		2.5		1.5		0.4			
70	0.4	0.2	0.3	0.6	0.8	0.8	0.8	1.0	1.0	0.8	0.8	0.8	0.6	0.3	0.2	0.4			
60		0.5	0.9	1.4	1.4	1.1	1.3	1.4	1.4	1.3	1.1	1.4	1.4	0.9	0.5				
50	1.1	1.3	2.9	5.9	10.6	21.7	47.9	64.7	64.7	47.9	21.7	10.6	5.9	2.9	1.3	1.1			
40		3.0	9.8	20.1	50.8	150.9	279.5	411.7	411.7	279.5	150.9	50.8	20.1	9.8	3.0				
30	2.4	5.1	17.1	43.5	209.3	494.7	909.4	1248.6	1248.6	909.4	494.7	209.3	43.5	17.1	5.1	2.4			
20		7.0	22.8	98.4	457.0	1129.9	2198.3	3141.8	3141.8	2198.3	1129.9	457.0	98.4	22.8	7.0				
10	3.6	8.7	26.9	149.3	643.5	1640.7	3291.5	4366.3	4366.3	3291.5	1640.7	643.5	149.3	26.9	8.7	3.6			
0		9.7	29.9	159.2	693.3	1720.5	3491.9	4434.6	4434.6	3491.9	1720.5	693.3	159.2	29.9	9.7				
-10	4.3	10.0	31.5	131.3	590.3	1437.8	2708.7	3657.4	3657.4	2708.7	1437.8	590.3	131.3	31.5	10.0	4.3			
-20		9.6	31.5	81.5	382.8	952.0	1583.1	2052.2	2052.2	1583.1	952.0	382.8	81.5	31.5	9.6				
-30	4.3	8.6	27.6	58.7	155.8	463.1	779.3	990.0	990.0	779.3	463.1	155.8	58.7	27.6	8.6	4.3			
-40		7.2	20.4	44.4	75.2	122.9	229.9	322.3	322.3	229.9	122.9	75.2	44.4	20.4	7.2				
-50	3.9	5.8	13.5	27.8	49.2	68.9	84.8	97.0	97.0	84.8	68.9	49.2	27.8	13.5	5.8	3.9			
-60		4.7	9.0	15.7	25.5	34.8	44.4	51.1	51.1	44.4	34.8	25.5	15.7	9.0	4.7				
-70	2.9	17.3		38.2		60.1		73.6		60.1		38.2		17.3		2.9			
-80		17.3		38.2		60.1		73.6		60.1		38.2		17.3					
-90	17.3		38.2		60.1		73.6		60.1		38.2		17.3		2.9				
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

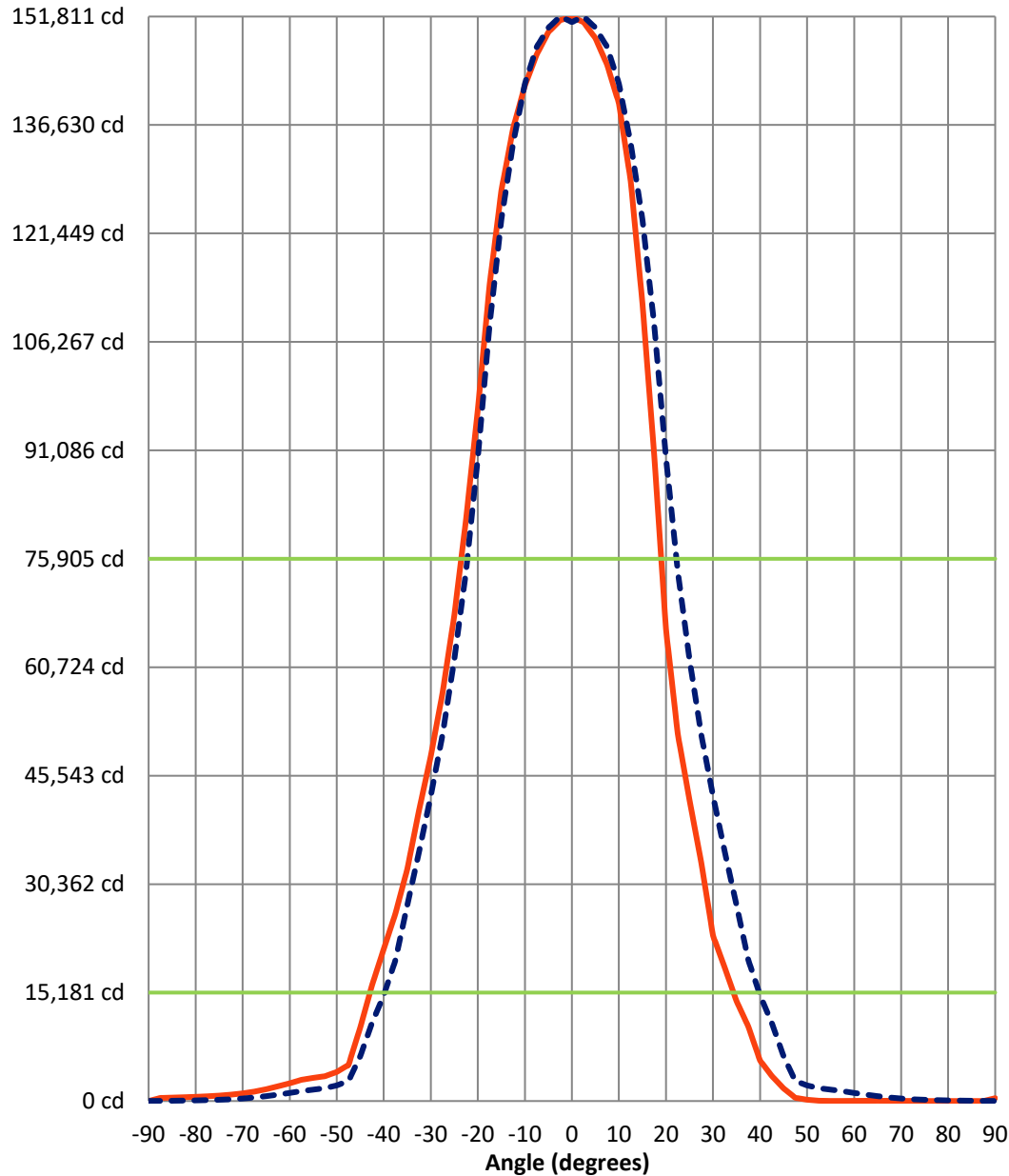
REPORT NUMBER: P1306296 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-08-680N-40-70-5S-VHE-A

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
H Angle: 44.5°
V Angle: 42.5°
Lumens: 54277.6
Efficiency: 54.9%

Field:
H Angle: 79.6°
V Angle: 77.3°
Lumens: 90830.5
Efficiency: 91.9%

Spill:
Lumens: 8018.9
Efficiency: 8.1%

— Vertical Distribution through -2.5-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°	13.1	25.6	38.2	63.2	88.3	111.5	134.8	153.9	173.0	186.7	200.4
87.5°	13.1	12.2	11.0	11.1	11.1	11.2	11.3	10.8	10.3	10.2	10.0
85°	13.1	12.4	11.3	11.5	11.5	11.7	11.9	11.6	11.2	10.9	10.5
82.5°	13.1	12.7	11.7	11.9	12.0	12.3	12.6	12.3	12.0	11.6	11.1
80°	13.1	13.0	12.0	12.3	12.4	12.8	13.2	13.0	12.8	12.4	11.7
77.5°	13.1	13.2	12.4	12.7	12.8	13.4	13.8	13.8	13.7	13.1	12.3
75°	13.1	13.5	12.7	13.1	13.3	14.2	14.5	14.5	14.5	13.8	12.9
72.5°	13.1	13.8	13.1	13.5	14.2	15.0	15.2	15.3	15.1	14.3	13.5
70°	13.1	14.1	13.5	13.9	15.0	15.9	16.0	16.2	15.8	14.9	14.6
67.5°	13.1	14.4	13.9	14.6	15.9	16.7	17.1	17.1	16.6	16.3	15.9
65°	13.1	14.6	14.3	15.3	16.8	17.7	18.2	18.2	18.2	17.7	17.7
62.5°	13.1	14.9	14.8	16.0	17.6	18.7	19.3	19.7	19.9	19.6	20.6
60°	13.1	15.2	15.3	16.7	18.5	19.7	20.4	21.6	21.8	23.7	24.0
57.5°	13.1	15.5	16.0	17.4	19.7	20.7	22.7	23.6	26.8	28.7	30.5
55°	13.1	15.8	16.9	18.1	21.0	21.8	25.3	26.1	33.3	35.5	39.3
52.5°	13.1	16.1	17.7	18.8	22.4	23.2	28.1	32.8	40.4	46.3	49.1
50°	13.1	16.4	18.6	19.5	23.9	26.5	31.2	40.2	49.1	57.7	63.5
47.5°	13.1	16.7	19.6	20.3	25.5	29.9	35.0	47.6	60.3	69.8	79.6
45°	13.1	17.0	20.6	21.6	27.2	33.6	41.6	55.2	71.6	85.3	96.5
42.5°	13.1	17.3	21.7	23.0	29.0	37.4	48.2	64.5	83.4	101.5	122.2
40°	13.1	17.6	22.8	25.0	31.5	41.4	55.2	75.0	96.5	118.2	150.7
37.5°	13.1	17.9	23.9	27.3	34.6	45.6	62.8	85.7	111.6	138.3	180.8
35°	13.1	18.2	25.1	29.8	37.8	51.0	70.4	96.6	127.2	165.5	215.6
32.5°	13.1	18.5	26.3	32.3	41.0	57.1	78.7	108.1	143.1	193.2	255.2
30°	13.1	18.7	27.5	34.8	44.3	63.2	88.3	120.1	159.4	221.3	294.0
27.5°	13.1	19.0	28.8	37.4	48.6	69.1	97.7	133.3	177.7	249.8	332.1
25°	13.1	19.3	30.0	40.0	53.1	75.0	106.9	145.9	198.8	280.4	369.4
22.5°	13.1	19.6	31.3	42.6	57.4	81.0	115.8	158.0	218.7	306.7	408.9
20°	13.1	19.8	32.6	45.2	61.6	87.5	124.4	169.6	237.4	331.7	441.8
17.5°	13.1	20.1	33.8	47.8	65.8	93.7	132.9	180.5	254.9	355.1	473.0
15°	13.1	20.3	35.1	50.4	69.8	99.6	141.2	191.1	271.0	377.0	502.5
12.5°	13.1	20.5	36.3	52.9	73.7	105.3	149.0	201.5	287.2	397.0	530.2
10°	13.1	20.8	37.5	55.4	77.4	110.6	156.4	211.3	303.4	420.8	559.5
7.5°	13.1	21.0	38.7	57.8	81.0	115.7	163.1	220.5	318.3	443.8	594.5
5°	13.1	21.2	39.8	60.1	84.4	120.4	169.4	228.9	331.8	465.0	627.4
2.5°	13.1	21.3	40.8	62.3	87.7	124.8	175.0	236.6	343.9	484.2	657.7
0°	13.1	21.5	41.8	64.4	90.7	128.8	180.1	243.4	354.3	501.1	684.8
-2.5°	13.1	22.3	43.6	67.2	94.9	134.7	187.8	253.3	366.4	515.3	698.8
-5°	13.1	23.1	45.3	69.9	98.9	140.2	194.8	262.3	376.7	526.8	709.1
-7.5°	13.1	23.9	46.9	72.5	102.6	145.3	201.2	270.2	385.1	535.5	715.8
-10°	13.1	24.7	48.4	74.9	106.1	149.9	206.9	277.2	391.5	541.3	719.0
-12.5°	13.1	25.4	49.8	77.2	109.4	154.0	211.8	283.0	395.8	544.4	724.1
-15°	13.1	26.1	51.2	79.2	112.3	157.6	216.0	287.7	398.3	545.3	726.7
-17.5°	13.1	26.8	52.4	81.1	114.9	160.7	219.3	291.8	398.8	543.0	723.6
-20°	13.1	27.4	53.5	82.8	117.3	163.2	222.3	295.2	397.3	537.4	714.6



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 CATALOG NUMBER: EPH-08-680N-40-70-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	13.1	28.0	54.5	84.4	119.3	165.1	225.4	297.5	393.8	528.5	700.3
-25°	13.1	28.5	55.4	85.7	120.9	167.4	227.6	298.8	388.2	516.3	687.8
-27.5°	13.1	29.0	56.1	86.9	122.2	169.6	228.9	299.0	380.6	508.0	678.6
-30°	13.1	29.5	56.8	87.8	123.4	171.3	229.3	298.2	377.3	501.4	664.3
-32.5°	13.1	29.9	57.3	88.5	125.4	172.3	228.9	297.4	377.0	491.4	644.5
-35°	13.1	30.3	57.7	89.1	127.2	172.9	229.0	296.3	374.9	477.9	619.2
-37.5°	13.1	30.6	57.9	89.4	128.6	173.4	228.9	294.5	370.9	460.9	596.2
-40°	13.1	30.8	58.1	89.5	129.6	174.7	228.2	291.5	365.0	450.7	574.0
-42.5°	13.1	31.0	58.1	89.7	130.5	175.6	226.9	287.2	359.2	442.1	548.0
-45°	13.1	31.2	58.0	90.2	131.2	176.1	225.0	283.0	352.8	431.2	520.7
-47.5°	13.1	31.3	57.7	90.5	131.5	176.1	222.2	279.7	345.0	418.0	505.4
-50°	13.1	31.3	57.3	90.5	131.3	175.6	221.2	275.3	334.9	406.1	487.4
-52.5°	13.1	31.3	56.8	90.4	130.7	174.8	220.0	270.0	326.4	392.0	465.6
-55°	13.1	31.3	56.2	90.0	129.7	173.2	218.2	264.2	318.1	375.7	443.7
-57.5°	13.1	31.2	55.5	89.3	128.2	171.1	215.8	261.2	308.5	362.9	419.9
-60°	13.1	31.0	54.6	88.4	126.4	168.5	212.8	257.0	299.0	350.4	397.1
-62.5°	13.1	30.8	53.9	87.2	124.6	165.4	208.8	252.0	292.9	335.8	378.9
-65°	13.1	30.5	53.0	85.8	122.4	161.8	204.2	246.1	285.9	324.5	359.5
-67.5°	13.1	30.2	52.0	84.2	119.9	158.0	199.1	239.0	278.3	313.7	344.6
-70°	13.1	29.9	50.8	82.3	117.1	153.7	193.4	231.3	268.9	302.3	331.1
-72.5°	13.1	29.5	49.6	80.5	114.0	148.9	186.6	223.0	258.7	289.3	316.8
-75°	13.1	29.0	48.2	78.6	110.6	143.6	179.1	213.3	247.8	275.8	301.6
-77.5°	13.1	28.6	46.8	76.5	107.4	137.9	171.0	202.7	235.0	261.2	285.9
-80°	13.1	28.0	45.2	74.2	104.0	132.8	162.4	191.6	221.4	244.7	267.5
-82.5°	13.1	27.5	43.6	71.7	100.4	127.9	155.7	181.1	207.3	227.7	248.0
-85°	13.1	26.9	41.8	69.0	96.6	122.7	149.1	172.4	196.0	213.2	230.2
-87.5°	13.1	26.3	40.0	66.2	92.5	117.2	142.1	163.3	184.7	200.1	215.4
-90°	13.1	11.9	10.7	10.7	10.7	10.7	10.7	10.1	9.5	9.5	9.5



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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°	208.8	217.1	224.9	232.6	242.2	251.7	261.9	272.0	282.8	293.5	303.7
87.5°	9.5	9.0	9.0	9.0	8.5	8.0	7.6	7.2	6.6	6.0	5.9
85°	10.0	9.5	9.6	9.5	9.1	8.7	8.2	7.7	7.2	6.7	6.7
82.5°	10.8	10.7	10.3	9.6	9.4	9.4	9.0	8.5	8.0	7.6	7.4
80°	11.6	11.9	11.0	10.0	9.8	9.6	9.0	8.5	8.4	8.4	8.0
77.5°	12.1	12.0	11.3	10.7	10.3	9.9	9.5	9.1	8.9	8.5	8.4
75°	12.5	12.1	11.7	11.0	10.6	10.5	10.4	10.0	9.8	9.8	9.8
72.5°	13.2	12.9	12.2	11.3	11.0	11.2	11.3	10.9	11.2	11.7	11.7
70°	14.2	13.7	12.9	12.1	11.7	12.1	12.7	13.5	14.5	14.6	15.8
67.5°	15.4	14.9	13.8	13.1	12.8	13.6	14.3	17.3	20.1	21.6	23.3
65°	17.1	16.3	15.2	15.0	14.3	17.3	19.7	22.8	28.5	31.3	31.1
62.5°	19.2	19.4	18.0	18.3	20.8	23.4	27.7	34.2	40.9	43.4	41.1
60°	24.4	23.7	23.7	25.4	28.0	31.2	37.8	45.9	53.6	57.7	51.4
57.5°	31.2	31.0	32.8	33.8	37.4	38.4	47.3	57.3	63.9	68.8	60.7
55°	40.8	41.2	44.6	45.8	48.4	48.2	55.9	65.4	72.1	74.4	65.9
52.5°	54.2	54.8	61.1	62.0	61.2	62.0	64.8	75.0	80.6	80.8	73.3
50°	68.8	76.5	80.4	83.0	78.4	81.3	78.7	89.9	98.4	97.6	100.3
47.5°	90.6	100.9	106.5	110.7	107.3	116.2	114.2	131.5	137.4	170.2	175.4
45°	116.4	132.8	140.3	149.6	159.9	170.6	198.4	198.4	276.0	306.5	386.9
42.5°	145.4	169.8	190.9	194.7	246.1	276.1	313.9	391.6	467.3	562.3	598.6
40°	183.7	210.9	253.8	302.4	359.5	424.6	495.0	589.3	688.7	737.9	744.1
37.5°	226.2	277.4	337.3	425.3	513.0	598.5	687.8	780.0	851.6	869.8	936.6
35°	271.8	346.9	458.7	559.8	661.8	780.0	859.4	944.4	987.4	1062.7	1191.2
32.5°	329.3	418.2	557.3	688.8	802.2	930.7	1006.9	1071.9	1172.8	1303.4	1587.3
30°	389.2	498.8	639.3	791.1	930.8	1038.6	1125.3	1206.9	1365.0	1680.5	2653.7
27.5°	439.2	567.9	715.7	885.0	1044.3	1142.7	1240.8	1383.4	1665.9	2316.1	4161.8
25°	484.0	623.7	790.6	987.1	1143.1	1251.3	1379.2	1580.4	2023.8	3788.4	6153.7
22.5°	527.7	678.8	876.1	1094.5	1243.3	1358.2	1551.7	1915.2	2844.2	5325.1	8167.8
20°	572.9	749.1	968.9	1194.2	1339.2	1452.9	1702.5	2240.4	4142.1	6979.3	9945.1
17.5°	620.2	820.0	1059.3	1265.0	1400.7	1552.2	1861.5	2507.0	5225.6	8524.3	11844.2
15°	666.3	888.1	1136.5	1326.2	1457.1	1659.3	2075.1	3293.7	6371.3	10249.5	13874.7
12.5°	710.6	949.9	1196.4	1374.2	1512.6	1759.1	2250.6	4160.3	7748.8	11851.3	15640.0
10°	752.3	1005.2	1246.9	1419.6	1573.1	1865.7	2419.5	5008.6	8954.8	12892.3	16729.4
7.5°	795.2	1051.3	1289.4	1462.9	1631.4	1966.1	2605.5	5667.8	9855.3	13693.0	17571.3
5°	834.0	1086.8	1330.4	1511.3	1691.4	2055.2	2755.9	6171.6	10530.9	14354.6	18321.0
2.5°	868.0	1114.7	1365.2	1556.9	1749.9	2129.8	2799.3	6311.7	10848.3	14710.6	19058.5
0°	897.1	1135.7	1393.4	1597.4	1802.6	2190.4	2810.7	6287.2	10926.8	14818.4	19776.6
-2.5°	913.6	1162.9	1443.8	1655.6	1849.8	2239.3	2870.2	6296.5	10993.2	15573.7	20699.9
-5°	925.2	1183.3	1485.2	1707.3	1891.6	2273.7	2903.3	6153.4	10903.4	15971.3	20969.9
-7.5°	931.7	1196.1	1515.7	1750.2	1929.5	2298.6	2922.0	5920.6	10908.4	15989.4	20630.4
-10°	935.1	1208.3	1530.0	1774.3	1962.1	2310.6	2913.0	5520.8	10475.4	15556.6	20071.1
-12.5°	946.4	1219.5	1535.0	1792.1	1988.1	2313.4	2926.3	5129.7	9663.1	14768.7	19271.7
-15°	950.7	1222.5	1532.2	1806.9	2030.0	2341.6	2926.7	4522.0	8608.5	13768.9	18266.3
-17.5°	947.8	1216.9	1523.5	1828.2	2068.8	2343.9	2860.3	3725.0	7404.1	12346.6	16942.6
-20°	937.5	1204.4	1504.5	1838.7	2090.9	2363.3	2840.8	3595.5	6223.7	10568.3	15335.3



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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°	922.5	1184.8	1477.2	1815.5	2116.2	2405.8	2814.2	3423.4	4835.6	8536.8	13345.6
-25°	904.6	1163.2	1448.0	1788.8	2128.0	2433.0	2731.6	3193.6	4020.6	6798.6	10882.8
-27.5°	885.9	1132.5	1416.8	1744.4	2120.9	2420.0	2683.1	3066.2	3650.6	4867.4	8316.8
-30°	862.2	1095.7	1370.9	1687.0	2058.1	2380.1	2653.5	2901.4	3300.5	4031.8	6102.3
-32.5°	833.2	1052.4	1319.8	1621.5	1963.3	2332.3	2585.0	2800.5	3104.5	3552.6	4402.2
-35°	800.5	1014.3	1263.0	1538.9	1851.1	2212.1	2482.1	2710.0	2915.4	3260.4	3803.6
-37.5°	767.1	967.2	1189.9	1451.5	1748.8	2043.5	2362.1	2589.2	2796.2	3012.7	3399.6
-40°	728.1	908.6	1117.3	1359.2	1611.2	1878.7	2174.2	2458.8	2663.2	2888.8	3120.9
-42.5°	685.5	853.1	1039.5	1249.3	1475.5	1715.9	1978.2	2263.3	2537.3	2753.0	2966.2
-45°	651.0	793.1	956.7	1143.5	1338.2	1552.2	1791.4	2041.1	2332.0	2611.2	2808.5
-47.5°	609.3	733.3	884.2	1032.3	1208.5	1399.4	1603.7	1840.2	2084.2	2359.2	2629.0
-50°	569.5	683.1	799.2	932.8	1082.3	1250.0	1432.3	1640.5	1866.0	2091.4	2336.1
-52.5°	542.3	629.2	728.1	833.4	964.1	1107.9	1269.4	1446.1	1643.8	1840.7	2052.9
-55°	512.5	587.7	658.7	748.0	850.7	975.5	1115.5	1270.0	1420.8	1600.6	1780.8
-57.5°	483.3	545.7	602.7	671.2	757.0	848.7	976.0	1104.5	1235.5	1374.7	1527.0
-60°	453.7	504.8	554.7	610.0	672.6	753.7	842.3	949.7	1056.7	1167.9	1302.7
-62.5°	424.1	465.7	508.5	556.3	609.5	664.2	736.6	814.9	889.9	991.2	1098.6
-65°	400.3	429.0	464.4	506.4	549.3	599.4	649.9	698.9	764.7	841.5	919.3
-67.5°	374.8	401.7	427.7	457.2	496.0	537.3	579.0	623.0	667.6	720.4	777.2
-70°	356.2	375.2	398.3	422.7	448.2	478.1	515.2	551.7	589.3	633.3	678.6
-72.5°	338.6	356.1	373.4	390.4	413.3	438.2	462.7	487.2	518.5	556.0	592.1
-75°	320.6	336.7	352.5	368.0	385.3	403.8	423.1	445.1	469.5	495.5	520.5
-77.5°	302.2	316.4	330.8	345.1	360.9	377.3	394.1	411.0	430.1	450.3	469.8
-80°	282.5	295.8	308.7	321.4	335.7	350.2	365.3	380.3	397.3	414.7	430.9
-82.5°	260.7	272.5	284.6	296.4	309.6	322.7	336.0	349.3	364.2	379.3	393.1
-85°	239.9	249.0	259.7	270.2	282.2	294.1	306.0	317.8	331.5	345.1	357.1
-87.5°	224.4	233.1	241.8	250.4	260.6	270.8	281.1	291.3	303.3	315.3	325.8
-90°	9.0	8.4	8.4	8.4	7.8	7.2	7.2	7.2	6.6	6.0	5.4



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	313.8	320.4	326.9	332.3	337.6	344.8	351.9	361.5	371.0	380.6	390.1
87.5°	5.8	5.3	4.8	4.7	4.7	4.7	4.7	4.1	3.6	3.6	3.6
85°	6.8	6.6	6.6	6.2	5.8	5.8	5.9	5.8	5.8	5.3	4.8
82.5°	7.2	7.2	7.2	6.6	6.0	6.0	6.0	6.0	6.0	5.4	4.8
80°	7.6	7.5	7.2	7.0	6.8	6.5	6.1	5.6	5.0	4.9	4.8
77.5°	8.5	8.2	7.7	7.5	7.3	6.7	6.1	5.5	4.9	4.8	4.8
75°	9.6	9.3	9.0	8.6	8.0	7.6	7.6	7.3	6.8	6.9	7.0
72.5°	11.5	11.3	11.3	11.6	11.6	12.0	12.5	13.0	13.5	14.5	15.6
70°	17.2	18.3	18.9	19.3	19.2	19.0	18.9	19.2	19.8	20.4	20.9
67.5°	25.1	27.0	28.0	28.4	26.6	25.6	25.6	26.2	27.1	28.8	31.2
65°	32.8	32.3	31.4	30.7	31.0	31.1	31.0	31.3	32.9	35.4	38.5
62.5°	38.5	33.3	30.2	28.7	29.7	31.6	30.3	29.4	30.7	32.3	33.8
60°	44.0	34.4	27.5	25.4	25.0	25.8	23.7	21.8	22.4	22.9	23.8
57.5°	49.2	36.8	25.5	21.7	18.2	16.4	15.9	15.2	14.8	14.5	14.6
55°	53.9	40.1	25.1	22.2	19.7	19.2	17.6	16.7	16.0	15.7	16.1
52.5°	59.8	51.6	41.1	38.2	43.0	43.4	38.4	45.6	51.1	53.6	54.6
50°	97.9	87.6	105.2	103.5	124.1	138.7	133.5	149.7	173.8	188.9	195.2
47.5°	215.0	215.4	250.0	280.8	306.3	339.6	365.2	389.9	424.2	445.5	455.2
45°	407.9	442.6	478.8	531.6	582.3	643.9	718.1	776.4	1010.4	1243.5	1455.5
42.5°	624.4	662.5	715.5	830.5	967.1	1283.5	1849.0	2164.7	2558.7	2987.6	3152.3
40°	804.5	859.8	1005.6	1329.3	2117.9	2868.6	3693.3	4390.6	5007.9	5363.1	5659.9
37.5°	1027.1	1159.1	1822.8	2739.2	3719.5	4660.5	5509.8	6246.7	6886.4	7405.2	7918.7
35°	1351.4	2228.0	3208.6	4400.1	5442.1	6313.8	7193.7	8038.2	8763.7	9538.6	10690.0
32.5°	2562.0	3707.7	4968.9	6036.9	7055.4	8155.2	9079.8	10431.1	11489.3	12902.1	15061.2
30°	4112.1	5550.1	6693.7	7761.9	9067.9	10547.8	12091.8	14158.5	16318.0	18570.9	20889.3
27.5°	6102.4	7554.8	8760.5	10185.4	11909.8	13879.3	16831.1	19744.2	22841.3	25658.5	27799.6
25°	8501.5	10039.6	12100.5	14168.0	16635.7	20001.4	23317.8	26887.1	29992.2	32756.9	35851.6
22.5°	10749.9	13271.2	15992.7	19113.9	23132.4	26928.5	31028.9	34640.9	38537.8	42478.1	45525.5
20°	12648.1	15932.7	19836.7	24336.2	28790.5	33090.7	37862.3	43619.8	49421.2	54604.2	58365.2
17.5°	15208.5	19368.4	24227.9	29576.3	34371.7	39700.6	46341.7	53822.5	61951.6	69144.2	74847.4
15°	18006.2	22863.8	28358.5	33962.5	40029.4	47170.0	55709.6	65263.2	75206.8	85292.4	94688.6
12.5°	19908.2	25599.2	31599.5	38262.9	45830.0	55403.8	65773.1	76364.0	87727.4	100276.3	111175.9
10°	21534.2	27847.8	35086.7	42837.6	51532.8	61824.3	72541.4	85405.3	99589.3	111947.0	123621.6
7.5°	23142.4	30561.3	38123.1	46193.3	55746.5	66924.5	79608.2	93443.0	107877.9	121309.9	130856.9
5°	25045.4	32742.3	40303.6	48828.4	58832.7	70459.9	83838.3	99725.2	114934.0	127280.7	135891.7
2.5°	26619.0	34050.5	41793.0	50230.3	60512.3	72652.1	87172.2	104827.2	120432.9	131977.4	139769.3
0°	27420.2	34888.4	42730.1	51304.3	61844.5	74231.6	90073.6	108620.1	123369.3	134034.2	142378.8
-2.5°	27517.8	34622.0	42319.2	50775.8	61077.3	73710.0	89950.7	108716.3	124133.6	135218.3	143451.2
-5°	27233.4	34271.1	41953.5	50415.3	60577.5	73736.1	90042.8	108087.4	122984.9	134466.6	142220.0
-7.5°	26547.6	33626.7	41323.4	49660.5	59663.0	72424.8	87633.7	103989.9	119313.4	131719.3	138871.8
-10°	25542.8	32498.5	40076.5	48057.4	57490.4	69289.4	82891.0	97865.3	113349.9	125211.5	133459.9
-12.5°	24272.0	30855.0	38099.0	45644.4	54550.3	65543.2	77667.5	90206.2	103186.4	116709.5	125300.7
-15°	22813.0	28828.3	35609.2	43195.1	52000.0	61161.3	70792.1	81007.6	92873.7	103935.1	113935.5
-17.5°	21428.7	26609.5	32936.3	40327.2	47825.0	55785.3	64039.1	72379.4	81894.8	90577.9	98345.5
-20°	19688.9	24100.2	29929.7	36496.8	43464.0	50361.3	57450.9	64208.0	71115.9	78183.5	84352.5



REPORT NUMBER: P1306296 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	17638.4	21928.3	26792.0	32510.1	39198.8	45337.5	51015.7	56296.4	61833.3	66723.6	71800.5
-25°	15404.6	19529.3	23998.8	29211.5	34347.0	39912.2	44624.9	49115.7	53410.4	57250.4	61198.3
-27.5°	12661.4	17015.9	21421.5	25593.5	29831.3	33827.2	38221.2	42364.4	45946.1	49114.0	52243.0
-30°	9571.0	14192.9	18360.4	21939.2	25298.9	28631.6	31995.6	35472.2	38862.9	41747.6	44310.5
-32.5°	7061.7	10917.3	14769.5	18276.5	21217.0	23971.4	26587.5	29315.2	31686.8	34121.8	36491.8
-35°	4672.1	7397.2	10595.2	14160.5	17223.0	19540.2	21912.2	24087.0	25874.8	27762.6	29551.8
-37.5°	3932.0	4657.1	6796.5	9691.1	12527.5	15192.1	17557.6	19448.3	21093.7	22601.6	24146.9
-40°	3468.4	3882.1	4490.8	5542.5	7927.8	10272.0	12709.1	14718.7	16471.7	17917.2	19339.8
-42.5°	3164.2	3448.1	3751.3	4165.5	4573.7	5721.8	7722.3	9457.0	11101.1	12729.7	14195.4
-45°	3006.6	3165.9	3339.4	3564.6	3739.2	4050.4	4397.8	4724.3	6032.8	7446.8	8630.3
-47.5°	2817.6	2987.5	3117.1	3223.1	3308.0	3444.7	3589.2	3778.0	4080.9	4438.1	4710.7
-50°	2575.8	2782.0	2911.4	3017.8	3078.8	3131.6	3183.7	3302.0	3466.1	3660.9	3815.4
-52.5°	2263.3	2467.4	2650.5	2788.9	2856.3	2922.0	2987.4	3068.8	3162.1	3274.6	3355.2
-55°	1968.8	2139.3	2297.8	2426.7	2543.0	2649.0	2750.8	2836.9	2937.7	3044.7	3119.9
-57.5°	1689.3	1827.0	1957.0	2068.7	2169.3	2258.4	2362.6	2475.7	2604.5	2727.2	2813.5
-60°	1428.1	1537.5	1645.7	1736.4	1818.3	1891.3	1987.6	2082.5	2195.4	2296.0	2369.1
-62.5°	1194.4	1290.0	1370.0	1438.5	1500.2	1561.3	1642.3	1721.7	1814.5	1894.8	1955.6
-65°	992.4	1072.2	1128.5	1179.3	1224.0	1276.1	1338.7	1402.4	1475.4	1537.8	1587.6
-67.5°	836.6	890.7	926.1	957.4	994.5	1036.0	1083.3	1134.2	1190.9	1238.1	1276.3
-70°	718.9	752.6	774.0	797.4	824.5	853.2	885.3	923.5	966.7	1003.5	1035.2
-72.5°	625.7	651.4	669.2	687.2	703.6	723.1	744.7	773.3	805.2	834.0	860.7
-75°	544.8	563.2	579.8	595.5	609.7	626.3	643.6	667.6	693.8	717.5	739.9
-77.5°	490.5	504.7	515.8	526.4	536.7	550.5	564.7	584.1	604.4	624.1	643.0
-80°	447.0	458.0	467.3	475.1	482.2	493.9	506.1	522.0	538.1	555.1	571.9
-82.5°	406.7	416.3	425.3	432.6	439.4	450.0	460.8	475.0	489.3	503.5	517.4
-85°	368.9	377.7	386.2	393.1	400.0	408.6	417.1	429.4	441.7	454.6	467.3
-87.5°	336.1	344.4	352.6	358.1	363.6	371.2	378.8	389.3	399.8	410.8	421.8
-90°	4.8	4.8	4.8	4.2	3.6	3.6	3.6	3.0	2.4	2.4	2.4



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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°	394.9	399.7	402.1	404.4	402.1	399.7	394.9	390.1	380.6	371.0	361.5
87.5°	3.0	2.4	2.4	2.4	2.4	2.4	3.0	3.6	3.6	3.6	4.1
85°	4.2	3.6	4.2	4.8	4.2	3.6	4.2	4.8	5.3	5.8	5.8
82.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	5.4	6.0	6.0
80°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.9	5.0	5.6
77.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.9	5.5
75°	6.6	6.0	6.0	6.0	6.0	6.0	6.6	7.0	6.9	6.8	7.3
72.5°	16.1	16.4	17.2	17.9	17.2	16.4	16.1	15.6	14.5	13.5	13.0
70°	21.2	21.3	21.5	21.5	21.5	21.3	21.2	20.9	20.4	19.8	19.2
67.5°	32.4	33.0	34.4	35.8	34.4	33.0	32.4	31.2	28.8	27.1	26.2
65°	40.7	42.3	42.8	42.9	42.8	42.3	40.7	38.5	35.4	32.9	31.3
62.5°	35.2	36.8	37.1	37.0	37.1	36.8	35.2	33.8	32.3	30.7	29.4
60°	24.6	25.3	25.7	26.2	25.7	25.3	24.6	23.8	22.9	22.4	21.8
57.5°	14.8	15.6	15.6	15.5	15.6	15.6	14.8	14.6	14.5	14.8	15.2
55°	16.3	16.6	16.2	15.5	16.2	16.6	16.3	16.1	15.7	16.0	16.7
52.5°	53.1	50.4	47.8	45.3	47.8	50.4	53.1	54.6	53.6	51.1	45.6
50°	193.2	190.0	185.4	180.1	185.4	190.0	193.2	195.2	188.9	173.8	149.7
47.5°	463.9	464.8	460.3	452.2	460.3	464.8	463.9	455.2	445.5	424.2	389.9
45°	1640.2	1729.5	1777.5	1811.0	1777.5	1729.5	1640.2	1455.5	1243.5	1010.4	776.4
42.5°	3296.2	3421.4	3516.5	3536.1	3516.5	3421.4	3296.2	3152.3	2987.6	2558.7	2164.7
40°	6011.8	6032.8	5683.9	5157.4	5683.9	6032.8	6011.8	5659.9	5363.1	5007.9	4390.6
37.5°	8530.7	9410.9	10433.5	10955.4	10433.5	9410.9	8530.7	7918.7	7405.2	6886.4	6246.7
35°	12243.6	13567.7	13997.2	14008.3	13997.2	13567.7	12243.6	10690.0	9538.6	8763.7	8038.2
32.5°	17008.3	18084.8	18659.7	18503.6	18659.7	18084.8	17008.3	15061.2	12902.1	11489.3	10431.1
30°	22240.3	23177.0	23184.5	22871.2	23184.5	23177.0	22240.3	20889.3	18570.9	16318.0	14158.5
27.5°	30015.8	31995.0	33388.0	33763.4	33388.0	31995.0	30015.8	27799.6	25658.5	22841.3	19744.2
25°	38640.2	40815.1	42152.4	42639.4	42152.4	40815.1	38640.2	35851.6	32756.9	29992.2	26887.1
22.5°	48361.8	50476.4	51441.4	51946.1	51441.4	50476.4	48361.8	45525.5	42478.1	38537.8	34640.9
20°	61950.4	64957.0	66090.4	66574.8	66090.4	64957.0	61950.4	58365.2	54604.2	49421.2	43619.8
17.5°	80773.1	86711.2	90424.0	92330.7	90424.0	86711.2	80773.1	74847.4	69144.2	61951.6	53822.5
15°	101642.6	107670.9	111635.4	114012.5	111635.4	107670.9	101642.6	94688.6	85292.4	75206.8	65263.2
12.5°	119546.0	124920.0	128749.1	131025.5	128749.1	124920.0	119546.0	111175.9	100276.3	87727.4	76364.0
10°	131031.7	135640.4	139613.0	141553.2	139613.0	135640.4	131031.7	123621.6	111947.0	99589.3	85405.3
7.5°	137523.1	142881.9	145035.4	146362.3	145035.4	142881.9	137523.1	130856.9	121309.9	107877.9	93443.0
5°	142554.0	146788.8	148776.7	149746.8	148776.7	146788.8	142554.0	135891.7	127280.7	114934.0	99725.2
2.5°	145912.5	149588.8	150994.6	151777.3	150994.6	149588.8	145912.5	139769.3	131977.4	120432.9	104827.2
0°	147524.2	150234.7	151810.7	151042.4	151810.7	150234.7	147524.2	142378.8	134034.2	123369.3	108620.1
-2.5°	147535.4	150111.9	151283.4	150713.1	151283.4	150111.9	147535.4	143451.2	135218.3	124133.6	108716.3
-5°	146273.2	148196.1	149622.9	149165.8	149622.9	148196.1	146273.2	142220.0	134466.6	122984.9	108087.4
-7.5°	142869.3	145424.8	146470.0	146520.9	146470.0	145424.8	142869.3	138871.8	131719.3	119313.4	103989.9
-10°	138186.7	141020.0	142132.7	142246.3	142132.7	141020.0	138186.7	133459.9	125211.5	113349.9	97865.3
-12.5°	131227.1	134550.8	136152.2	136437.6	136152.2	134550.8	131227.1	125300.7	116709.5	103186.4	90206.2
-15°	120423.3	124903.1	127431.8	128319.1	127431.8	124903.1	120423.3	113935.5	103935.1	92873.7	81007.6
-17.5°	105735.9	111088.5	114241.6	115353.5	114241.6	111088.5	105735.9	98345.5	90577.9	81894.8	72379.4
-20°	90415.7	94383.8	96814.5	97816.2	96814.5	94383.8	90415.7	84352.5	78183.5	71115.9	64208.0



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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	76480.4	79679.7	81485.8	82288.0	81485.8	79679.7	76480.4	71800.5	66723.6	61833.3	56296.4
-25°	64394.2	67088.9	68015.0	68537.3	68015.0	67088.9	64394.2	61198.3	57250.4	53410.4	49115.7
-27.5°	54519.0	56656.6	57155.5	57616.5	57155.5	56656.6	54519.0	52243.0	49114.0	45946.1	42364.4
-30°	46197.9	48058.1	48312.4	48822.8	48312.4	48058.1	46197.9	44310.5	41747.6	38862.9	35472.2
-32.5°	38416.0	40072.5	40707.0	40804.6	40707.0	40072.5	38416.0	36491.8	34121.8	31686.8	29315.2
-35°	30964.4	32056.1	32487.9	32514.3	32487.9	32056.1	30964.4	29551.8	27762.6	25874.8	24087.0
-37.5°	25105.5	25801.5	26301.7	26163.9	26301.7	25801.5	25105.5	24146.9	22601.6	21093.7	19448.3
-40°	20137.0	20837.2	21294.4	21183.1	21294.4	20837.2	20137.0	19339.8	17917.2	16471.7	14718.7
-42.5°	15004.0	15774.0	16206.1	16086.6	16206.1	15774.0	15004.0	14195.4	12729.7	11101.1	9457.0
-45°	9305.1	9983.8	10302.3	10108.4	10302.3	9983.8	9305.1	8630.3	7446.8	6032.8	4724.3
-47.5°	4854.4	5008.9	5058.3	4989.2	5058.3	5008.9	4854.4	4710.7	4438.1	4080.9	3778.0
-50°	3935.9	4032.9	4074.5	4062.2	4074.5	4032.9	3935.9	3815.4	3660.9	3466.1	3302.0
-52.5°	3418.6	3463.3	3478.2	3469.3	3478.2	3463.3	3418.6	3355.2	3274.6	3162.1	3068.8
-55°	3183.4	3227.8	3243.2	3237.8	3243.2	3227.8	3183.4	3119.9	3044.7	2937.7	2836.9
-57.5°	2885.1	2939.7	2973.5	2990.9	2973.5	2939.7	2885.1	2813.5	2727.2	2604.5	2475.7
-60°	2428.1	2471.8	2484.3	2477.9	2484.3	2471.8	2428.1	2369.1	2296.0	2195.4	2082.5
-62.5°	2003.4	2039.3	2066.1	2084.2	2066.1	2039.3	2003.4	1955.6	1894.8	1814.5	1721.7
-65°	1624.2	1650.2	1655.6	1651.1	1655.6	1650.2	1624.2	1587.6	1537.8	1475.4	1402.4
-67.5°	1303.1	1322.3	1324.9	1320.7	1324.9	1322.3	1303.1	1276.3	1238.1	1190.9	1134.2
-70°	1056.5	1072.7	1074.9	1072.5	1074.9	1072.7	1056.5	1035.2	1003.5	966.7	923.5
-72.5°	876.3	888.1	897.1	904.3	897.1	888.1	876.3	860.7	834.0	805.2	773.3
-75°	751.1	759.6	761.7	762.3	761.7	759.6	751.1	739.9	717.5	693.8	667.6
-77.5°	653.0	661.5	667.6	672.9	667.6	661.5	653.0	643.0	624.1	604.4	584.1
-80°	579.4	586.0	590.9	595.3	590.9	586.0	579.4	571.9	555.1	538.1	522.0
-82.5°	524.6	531.4	535.5	539.2	535.5	531.4	524.6	517.4	503.5	489.3	475.0
-85°	472.8	478.0	481.9	485.6	481.9	478.0	472.8	467.3	454.6	441.7	429.4
-87.5°	426.8	431.8	434.2	436.6	434.2	431.8	426.8	421.8	410.8	399.8	389.3
-90°	1.8	1.2	1.2	1.2	1.2	1.2	1.8	2.4	2.4	2.4	3.0



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	351.9	344.8	337.6	332.3	326.9	320.4	313.8	303.7	293.5	282.8	272.0
87.5°	4.7	4.7	4.7	4.7	4.8	5.3	5.8	5.9	6.0	6.6	7.2
85°	5.9	5.8	5.8	6.2	6.6	6.6	6.8	6.7	6.7	7.2	7.7
82.5°	6.0	6.0	6.0	6.6	7.2	7.2	7.2	7.4	7.6	8.0	8.5
80°	6.1	6.5	6.8	7.0	7.2	7.5	7.6	8.0	8.4	8.4	8.5
77.5°	6.1	6.7	7.3	7.5	7.7	8.2	8.5	8.4	8.5	8.9	9.1
75°	7.6	7.6	8.0	8.6	9.0	9.3	9.6	9.8	9.8	9.8	10.0
72.5°	12.5	12.0	11.6	11.6	11.3	11.3	11.5	11.7	11.7	11.2	10.9
70°	18.9	19.0	19.2	19.3	18.9	18.3	17.2	15.8	14.6	14.5	13.5
67.5°	25.6	25.6	26.6	28.4	28.0	27.0	25.1	23.3	21.6	20.1	17.3
65°	31.0	31.1	31.0	30.7	31.4	32.3	32.8	31.1	31.3	28.5	22.8
62.5°	30.3	31.6	29.7	28.7	30.2	33.3	38.5	41.1	43.4	40.9	34.2
60°	23.7	25.8	25.0	25.4	27.5	34.4	44.0	51.4	57.7	53.6	45.9
57.5°	15.9	16.4	18.2	21.7	25.5	36.8	49.2	60.7	68.8	63.9	57.3
55°	17.6	19.2	19.7	22.2	25.1	40.1	53.9	65.9	74.4	72.1	65.4
52.5°	38.4	43.4	43.0	38.2	41.1	51.6	59.8	73.3	80.8	80.6	75.0
50°	133.5	138.7	124.1	103.5	105.2	87.6	97.9	100.3	97.6	98.4	89.9
47.5°	365.2	339.6	306.3	280.8	250.0	215.4	215.0	175.4	170.2	137.4	131.5
45°	718.1	643.9	582.3	531.6	478.8	442.6	407.9	386.9	306.5	276.0	198.4
42.5°	1849.0	1283.5	967.1	830.5	715.5	662.5	624.4	598.6	562.3	467.3	391.6
40°	3693.3	2868.6	2117.9	1329.3	1005.6	859.8	804.5	744.1	737.9	688.7	589.3
37.5°	5509.8	4660.5	3719.5	2739.2	1822.8	1159.1	1027.1	936.6	869.8	851.6	780.0
35°	7193.7	6313.8	5442.1	4400.1	3208.6	2228.0	1351.4	1191.2	1062.7	987.4	944.4
32.5°	9079.8	8155.2	7055.4	6036.9	4968.9	3707.7	2562.0	1587.3	1303.4	1172.8	1071.9
30°	12091.8	10547.8	9067.9	7761.9	6693.7	5550.1	4112.1	2653.7	1680.5	1365.0	1206.9
27.5°	16831.1	13879.3	11909.8	10185.4	8760.5	7554.8	6102.4	4161.8	2316.1	1665.9	1383.4
25°	23317.8	20001.4	16635.7	14168.0	12100.5	10039.6	8501.5	6153.7	3788.4	2023.8	1580.4
22.5°	31028.9	26928.5	23132.4	19113.9	15992.7	13271.2	10749.9	8167.8	5325.1	2844.2	1915.2
20°	37862.3	33090.7	28790.5	24336.2	19836.7	15932.7	12648.1	9945.1	6979.3	4142.1	2240.4
17.5°	46341.7	39700.6	34371.7	29576.3	24227.9	19368.4	15208.5	11844.2	8524.3	5225.6	2507.0
15°	55709.6	47170.0	40029.4	33962.5	28358.5	22863.8	18006.2	13874.7	10249.5	6371.3	3293.7
12.5°	65773.1	55403.8	45830.0	38262.9	31599.5	25599.2	19908.2	15640.0	11851.3	7748.8	4160.3
10°	72541.4	61824.3	51532.8	42837.6	35086.7	27847.8	21534.2	16729.4	12892.3	8954.8	5008.6
7.5°	79608.2	66924.5	55746.5	46193.3	38123.1	30561.3	23142.4	17571.3	13693.0	9855.3	5667.8
5°	83838.3	70459.9	58832.7	48828.4	40303.6	32742.3	25045.4	18321.0	14354.6	10530.9	6171.6
2.5°	87172.2	72652.1	60512.3	50230.3	41793.0	34050.5	26619.0	19058.5	14710.6	10848.3	6311.7
0°	90073.6	74231.6	61844.5	51304.3	42730.1	34888.4	27420.2	19776.6	14818.4	10926.8	6287.2
-2.5°	89950.7	73710.0	61077.3	50775.8	42319.2	34622.0	27517.8	20699.9	15573.7	10993.2	6296.5
-5°	90042.8	73736.1	60577.5	50415.3	41953.5	34271.1	27233.4	20969.9	15971.3	10903.4	6153.4
-7.5°	87633.7	72424.8	59663.0	49660.5	41323.4	33626.7	26547.6	20630.4	15989.4	10908.4	5920.6
-10°	82891.0	69289.4	57490.4	48057.4	40076.5	32498.5	25542.8	20071.1	15556.6	10475.4	5520.8
-12.5°	77667.5	65543.2	54550.3	45644.4	38099.0	30855.0	24272.0	19271.7	14768.7	9663.1	5129.7
-15°	70792.1	61161.3	52000.0	43195.1	35609.2	28828.3	22813.0	18266.3	13768.9	8608.5	4522.0
-17.5°	64039.1	55785.3	47825.0	40327.2	32936.3	26609.5	21428.7	16942.6	12346.6	7404.1	3725.0
-20°	57450.9	50361.3	43464.0	36496.8	29929.7	24100.2	19688.9	15335.3	10568.3	6223.7	3595.5



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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°	51015.7	45337.5	39198.8	32510.1	26792.0	21928.3	17638.4	13345.6	8536.8	4835.6	3423.4
-25°	44624.9	39912.2	34347.0	29211.5	23998.8	19529.3	15404.6	10882.8	6798.6	4020.6	3193.6
-27.5°	38221.2	33827.2	29831.3	25593.5	21421.5	17015.9	12661.4	8316.8	4867.4	3650.6	3066.2
-30°	31995.6	28631.6	25298.9	21939.2	18360.4	14192.9	9571.0	6102.3	4031.8	3300.5	2901.4
-32.5°	26587.5	23971.4	21217.0	18276.5	14769.5	10917.3	7061.7	4402.2	3552.6	3104.5	2800.5
-35°	21912.2	19540.2	17223.0	14160.5	10595.2	7397.2	4672.1	3803.6	3260.4	2915.4	2710.0
-37.5°	17557.6	15192.1	12527.5	9691.1	6796.5	4657.1	3932.0	3399.6	3012.7	2796.2	2589.2
-40°	12709.1	10272.0	7927.8	5542.5	4490.8	3882.1	3468.4	3120.9	2888.8	2663.2	2458.8
-42.5°	7722.3	5721.8	4573.7	4165.5	3751.3	3448.1	3164.2	2966.2	2753.0	2537.3	2263.3
-45°	4397.8	4050.4	3739.2	3564.6	3339.4	3165.9	3006.6	2808.5	2611.2	2332.0	2041.1
-47.5°	3589.2	3444.7	3308.0	3223.1	3117.1	2987.5	2817.6	2629.0	2359.2	2084.2	1840.2
-50°	3183.7	3131.6	3078.8	3017.8	2911.4	2782.0	2575.8	2336.1	2091.4	1866.0	1640.5
-52.5°	2987.4	2922.0	2856.3	2788.9	2650.5	2467.4	2263.3	2052.9	1840.7	1643.8	1446.1
-55°	2750.8	2649.0	2543.0	2426.7	2297.8	2139.3	1968.8	1780.8	1600.6	1420.8	1270.0
-57.5°	2362.6	2258.4	2169.3	2068.7	1957.0	1827.0	1689.3	1527.0	1374.7	1235.5	1104.5
-60°	1987.6	1891.3	1818.3	1736.4	1645.7	1537.5	1428.1	1302.7	1167.9	1056.7	949.7
-62.5°	1642.3	1561.3	1500.2	1438.5	1370.0	1290.0	1194.4	1098.6	991.2	889.9	814.9
-65°	1338.7	1276.1	1224.0	1179.3	1128.5	1072.2	992.4	919.3	841.5	764.7	698.9
-67.5°	1083.3	1036.0	994.5	957.4	926.1	890.7	836.6	777.2	720.4	667.6	623.0
-70°	885.3	853.2	824.5	797.4	774.0	752.6	718.9	678.6	633.3	589.3	551.7
-72.5°	744.7	723.1	703.6	687.2	669.2	651.4	625.7	592.1	556.0	518.5	487.2
-75°	643.6	626.3	609.7	595.5	579.8	563.2	544.8	520.5	495.5	469.5	445.1
-77.5°	564.7	550.5	536.7	526.4	515.8	504.7	490.5	469.8	450.3	430.1	411.0
-80°	506.1	493.9	482.2	475.1	467.3	458.0	447.0	430.9	414.7	397.3	380.3
-82.5°	460.8	450.0	439.4	432.6	425.3	416.3	406.7	393.1	379.3	364.2	349.3
-85°	417.1	408.6	400.0	393.1	386.2	377.7	368.9	357.1	345.1	331.5	317.8
-87.5°	378.8	371.2	363.6	358.1	352.6	344.4	336.1	325.8	315.3	303.3	291.3
-90°	3.6	3.6	3.6	4.2	4.8	4.8	4.8	5.4	6.0	6.6	7.2



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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°	261.9	251.7	242.2	232.6	224.9	217.1	208.8	200.4	186.7	173.0	153.9
87.5°	7.6	8.0	8.5	9.0	9.0	9.0	9.5	10.0	10.2	10.3	10.8
85°	8.2	8.7	9.1	9.5	9.6	9.5	10.0	10.5	10.9	11.2	11.6
82.5°	9.0	9.4	9.4	9.6	10.3	10.7	10.8	11.1	11.6	12.0	12.3
80°	9.0	9.6	9.8	10.0	11.0	11.9	11.6	11.7	12.4	12.8	13.0
77.5°	9.5	9.9	10.3	10.7	11.3	12.0	12.1	12.3	13.1	13.7	13.8
75°	10.4	10.5	10.6	11.0	11.7	12.1	12.5	12.9	13.8	14.5	14.5
72.5°	11.3	11.2	11.0	11.3	12.2	12.9	13.2	13.5	14.3	15.1	15.3
70°	12.7	12.1	11.7	12.1	12.9	13.7	14.2	14.6	14.9	15.8	16.2
67.5°	14.3	13.6	12.8	13.1	13.8	14.9	15.4	15.9	16.3	16.6	17.1
65°	19.7	17.3	14.3	15.0	15.2	16.3	17.1	17.7	17.7	18.2	18.2
62.5°	27.7	23.4	20.8	18.3	18.0	19.4	19.2	20.6	19.6	19.9	19.7
60°	37.8	31.2	28.0	25.4	23.7	23.7	24.4	24.0	23.7	21.8	21.6
57.5°	47.3	38.4	37.4	33.8	32.8	31.0	31.2	30.5	28.7	26.8	23.6
55°	55.9	48.2	48.4	45.8	44.6	41.2	40.8	39.3	35.5	33.3	26.1
52.5°	64.8	62.0	61.2	62.0	61.1	54.8	54.2	49.1	46.3	40.4	32.8
50°	78.7	81.3	78.4	83.0	80.4	76.5	68.8	63.5	57.7	49.1	40.2
47.5°	114.2	116.2	107.3	110.7	106.5	100.9	90.6	79.6	69.8	60.3	47.6
45°	198.4	170.6	159.9	149.6	140.3	132.8	116.4	96.5	85.3	71.6	55.2
42.5°	313.9	276.1	246.1	194.7	190.9	169.8	145.4	122.2	101.5	83.4	64.5
40°	495.0	424.6	359.5	302.4	253.8	210.9	183.7	150.7	118.2	96.5	75.0
37.5°	687.8	598.5	513.0	425.3	337.3	277.4	226.2	180.8	138.3	111.6	85.7
35°	859.4	780.0	661.8	559.8	458.7	346.9	271.8	215.6	165.5	127.2	96.6
32.5°	1006.9	930.7	802.2	688.8	557.3	418.2	329.3	255.2	193.2	143.1	108.1
30°	1125.3	1038.6	930.8	791.1	639.3	498.8	389.2	294.0	221.3	159.4	120.1
27.5°	1240.8	1142.7	1044.3	885.0	715.7	567.9	439.2	332.1	249.8	177.7	133.3
25°	1379.2	1251.3	1143.1	987.1	790.6	623.7	484.0	369.4	280.4	198.8	145.9
22.5°	1551.7	1358.2	1243.3	1094.5	876.1	678.8	527.7	408.9	306.7	218.7	158.0
20°	1702.5	1452.9	1339.2	1194.2	968.9	749.1	572.9	441.8	331.7	237.4	169.6
17.5°	1861.5	1552.2	1400.7	1265.0	1059.3	820.0	620.2	473.0	355.1	254.9	180.5
15°	2075.1	1659.3	1457.1	1326.2	1136.5	888.1	666.3	502.5	377.0	271.0	191.1
12.5°	2250.6	1759.1	1512.6	1374.2	1196.4	949.9	710.6	530.2	397.0	287.2	201.5
10°	2419.5	1865.7	1573.1	1419.6	1246.9	1005.2	752.3	559.5	420.8	303.4	211.3
7.5°	2605.5	1966.1	1631.4	1462.9	1289.4	1051.3	795.2	594.5	443.8	318.3	220.5
5°	2755.9	2055.2	1691.4	1511.3	1330.4	1086.8	834.0	627.4	465.0	331.8	228.9
2.5°	2799.3	2129.8	1749.9	1556.9	1365.2	1114.7	868.0	657.7	484.2	343.9	236.6
0°	2810.7	2190.4	1802.6	1597.4	1393.4	1135.7	897.1	684.8	501.1	354.3	243.4
-2.5°	2870.2	2239.3	1849.8	1655.6	1443.8	1162.9	913.6	698.8	515.3	366.4	253.3
-5°	2903.3	2273.7	1891.6	1707.3	1485.2	1183.3	925.2	709.1	526.8	376.7	262.3
-7.5°	2922.0	2298.6	1929.5	1750.2	1515.7	1196.1	931.7	715.8	535.5	385.1	270.2
-10°	2913.0	2310.6	1962.1	1774.3	1530.0	1208.3	935.1	719.0	541.3	391.5	277.2
-12.5°	2926.3	2313.4	1988.1	1792.1	1535.0	1219.5	946.4	724.1	544.4	395.8	283.0
-15°	2926.7	2341.6	2030.0	1806.9	1532.2	1222.5	950.7	726.7	545.3	398.3	287.7
-17.5°	2860.3	2343.9	2068.8	1828.2	1523.5	1216.9	947.8	723.6	543.0	398.8	291.8
-20°	2840.8	2363.3	2090.9	1838.7	1504.5	1204.4	937.5	714.6	537.4	397.3	295.2



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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°	2814.2	2405.8	2116.2	1815.5	1477.2	1184.8	922.5	700.3	528.5	393.8	297.5
-25°	2731.6	2433.0	2128.0	1788.8	1448.0	1163.2	904.6	687.8	516.3	388.2	298.8
-27.5°	2683.1	2420.0	2120.9	1744.4	1416.8	1132.5	885.9	678.6	508.0	380.6	299.0
-30°	2653.5	2380.1	2058.1	1687.0	1370.9	1095.7	862.2	664.3	501.4	377.3	298.2
-32.5°	2585.0	2332.3	1963.3	1621.5	1319.8	1052.4	833.2	644.5	491.4	377.0	297.4
-35°	2482.1	2212.1	1851.1	1538.9	1263.0	1014.3	800.5	619.2	477.9	374.9	296.3
-37.5°	2362.1	2043.5	1748.8	1451.5	1189.9	967.2	767.1	596.2	460.9	370.9	294.5
-40°	2174.2	1878.7	1611.2	1359.2	1117.3	908.6	728.1	574.0	450.7	365.0	291.5
-42.5°	1978.2	1715.9	1475.5	1249.3	1039.5	853.1	685.5	548.0	442.1	359.2	287.2
-45°	1791.4	1552.2	1338.2	1143.5	956.7	793.1	651.0	520.7	431.2	352.8	283.0
-47.5°	1603.7	1399.4	1208.5	1032.3	884.2	733.3	609.3	505.4	418.0	345.0	279.7
-50°	1432.3	1250.0	1082.3	932.8	799.2	683.1	569.5	487.4	406.1	334.9	275.3
-52.5°	1269.4	1107.9	964.1	833.4	728.1	629.2	542.3	465.6	392.0	326.4	270.0
-55°	1115.5	975.5	850.7	748.0	658.7	587.7	512.5	443.7	375.7	318.1	264.2
-57.5°	976.0	848.7	757.0	671.2	602.7	545.7	483.3	419.9	362.9	308.5	261.2
-60°	842.3	753.7	672.6	610.0	554.7	504.8	453.7	397.1	350.4	299.0	257.0
-62.5°	736.6	664.2	609.5	556.3	508.5	465.7	424.1	378.9	335.8	292.9	252.0
-65°	649.9	599.4	549.3	506.4	464.4	429.0	400.3	359.5	324.5	285.9	246.1
-67.5°	579.0	537.3	496.0	457.2	427.7	401.7	374.8	344.6	313.7	278.3	239.0
-70°	515.2	478.1	448.2	422.7	398.3	375.2	356.2	331.1	302.3	268.9	231.3
-72.5°	462.7	438.2	413.3	390.4	373.4	356.1	338.6	316.8	289.3	258.7	223.0
-75°	423.1	403.8	385.3	368.0	352.5	336.7	320.6	301.6	275.8	247.8	213.3
-77.5°	394.1	377.3	360.9	345.1	330.8	316.4	302.2	285.9	261.2	235.0	202.7
-80°	365.3	350.2	335.7	321.4	308.7	295.8	282.5	267.5	244.7	221.4	191.6
-82.5°	336.0	322.7	309.6	296.4	284.6	272.5	260.7	248.0	227.7	207.3	181.1
-85°	306.0	294.1	282.2	270.2	259.7	249.0	239.9	230.2	213.2	196.0	172.4
-87.5°	281.1	270.8	260.6	250.4	241.8	233.1	224.4	215.4	200.1	184.7	163.3
-90°	7.2	7.2	7.8	8.4	8.4	8.4	9.0	9.5	9.5	9.5	10.1



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	134.8	111.5	88.3	63.2	38.2	25.6	13.1
87.5°	11.3	11.2	11.1	11.1	11.0	12.2	13.1
85°	11.9	11.7	11.5	11.5	11.3	12.4	13.1
82.5°	12.6	12.3	12.0	11.9	11.7	12.7	13.1
80°	13.2	12.8	12.4	12.3	12.0	13.0	13.1
77.5°	13.8	13.4	12.8	12.7	12.4	13.2	13.1
75°	14.5	14.2	13.3	13.1	12.7	13.5	13.1
72.5°	15.2	15.0	14.2	13.5	13.1	13.8	13.1
70°	16.0	15.9	15.0	13.9	13.5	14.1	13.1
67.5°	17.1	16.7	15.9	14.6	13.9	14.4	13.1
65°	18.2	17.7	16.8	15.3	14.3	14.6	13.1
62.5°	19.3	18.7	17.6	16.0	14.8	14.9	13.1
60°	20.4	19.7	18.5	16.7	15.3	15.2	13.1
57.5°	22.7	20.7	19.7	17.4	16.0	15.5	13.1
55°	25.3	21.8	21.0	18.1	16.9	15.8	13.1
52.5°	28.1	23.2	22.4	18.8	17.7	16.1	13.1
50°	31.2	26.5	23.9	19.5	18.6	16.4	13.1
47.5°	35.0	29.9	25.5	20.3	19.6	16.7	13.1
45°	41.6	33.6	27.2	21.6	20.6	17.0	13.1
42.5°	48.2	37.4	29.0	23.0	21.7	17.3	13.1
40°	55.2	41.4	31.5	25.0	22.8	17.6	13.1
37.5°	62.8	45.6	34.6	27.3	23.9	17.9	13.1
35°	70.4	51.0	37.8	29.8	25.1	18.2	13.1
32.5°	78.7	57.1	41.0	32.3	26.3	18.5	13.1
30°	88.3	63.2	44.3	34.8	27.5	18.7	13.1
27.5°	97.7	69.1	48.6	37.4	28.8	19.0	13.1
25°	106.9	75.0	53.1	40.0	30.0	19.3	13.1
22.5°	115.8	81.0	57.4	42.6	31.3	19.6	13.1
20°	124.4	87.5	61.6	45.2	32.6	19.8	13.1
17.5°	132.9	93.7	65.8	47.8	33.8	20.1	13.1
15°	141.2	99.6	69.8	50.4	35.1	20.3	13.1
12.5°	149.0	105.3	73.7	52.9	36.3	20.5	13.1
10°	156.4	110.6	77.4	55.4	37.5	20.8	13.1
7.5°	163.1	115.7	81.0	57.8	38.7	21.0	13.1
5°	169.4	120.4	84.4	60.1	39.8	21.2	13.1
2.5°	175.0	124.8	87.7	62.3	40.8	21.3	13.1
0°	180.1	128.8	90.7	64.4	41.8	21.5	13.1
-2.5°	187.8	134.7	94.9	67.2	43.6	22.3	13.1
-5°	194.8	140.2	98.9	69.9	45.3	23.1	13.1
-7.5°	201.2	145.3	102.6	72.5	46.9	23.9	13.1
-10°	206.9	149.9	106.1	74.9	48.4	24.7	13.1
-12.5°	211.8	154.0	109.4	77.2	49.8	25.4	13.1
-15°	216.0	157.6	112.3	79.2	51.2	26.1	13.1
-17.5°	219.3	160.7	114.9	81.1	52.4	26.8	13.1
-20°	222.3	163.2	117.3	82.8	53.5	27.4	13.1



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	225.4	165.1	119.3	84.4	54.5	28.0	13.1
-25°	227.6	167.4	120.9	85.7	55.4	28.5	13.1
-27.5°	228.9	169.6	122.2	86.9	56.1	29.0	13.1
-30°	229.3	171.3	123.4	87.8	56.8	29.5	13.1
-32.5°	228.9	172.3	125.4	88.5	57.3	29.9	13.1
-35°	229.0	172.9	127.2	89.1	57.7	30.3	13.1
-37.5°	228.9	173.4	128.6	89.4	57.9	30.6	13.1
-40°	228.2	174.7	129.6	89.5	58.1	30.8	13.1
-42.5°	226.9	175.6	130.5	89.7	58.1	31.0	13.1
-45°	225.0	176.1	131.2	90.2	58.0	31.2	13.1
-47.5°	222.2	176.1	131.5	90.5	57.7	31.3	13.1
-50°	221.2	175.6	131.3	90.5	57.3	31.3	13.1
-52.5°	220.0	174.8	130.7	90.4	56.8	31.3	13.1
-55°	218.2	173.2	129.7	90.0	56.2	31.3	13.1
-57.5°	215.8	171.1	128.2	89.3	55.5	31.2	13.1
-60°	212.8	168.5	126.4	88.4	54.6	31.0	13.1
-62.5°	208.8	165.4	124.6	87.2	53.9	30.8	13.1
-65°	204.2	161.8	122.4	85.8	53.0	30.5	13.1
-67.5°	199.1	158.0	119.9	84.2	52.0	30.2	13.1
-70°	193.4	153.7	117.1	82.3	50.8	29.9	13.1
-72.5°	186.6	148.9	114.0	80.5	49.6	29.5	13.1
-75°	179.1	143.6	110.6	78.6	48.2	29.0	13.1
-77.5°	171.0	137.9	107.4	76.5	46.8	28.6	13.1
-80°	162.4	132.8	104.0	74.2	45.2	28.0	13.1
-82.5°	155.7	127.9	100.4	71.7	43.6	27.5	13.1
-85°	149.1	122.7	96.6	69.0	41.8	26.9	13.1
-87.5°	142.1	117.2	92.5	66.2	40.0	26.3	13.1
-90°	10.7	10.7	10.7	10.7	10.7	11.9	13.1

(END OF REPORT)