

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: P1305342 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-320L-40-70-2S-HEG-A**

Issue Date: 2/3/2026

Test Information

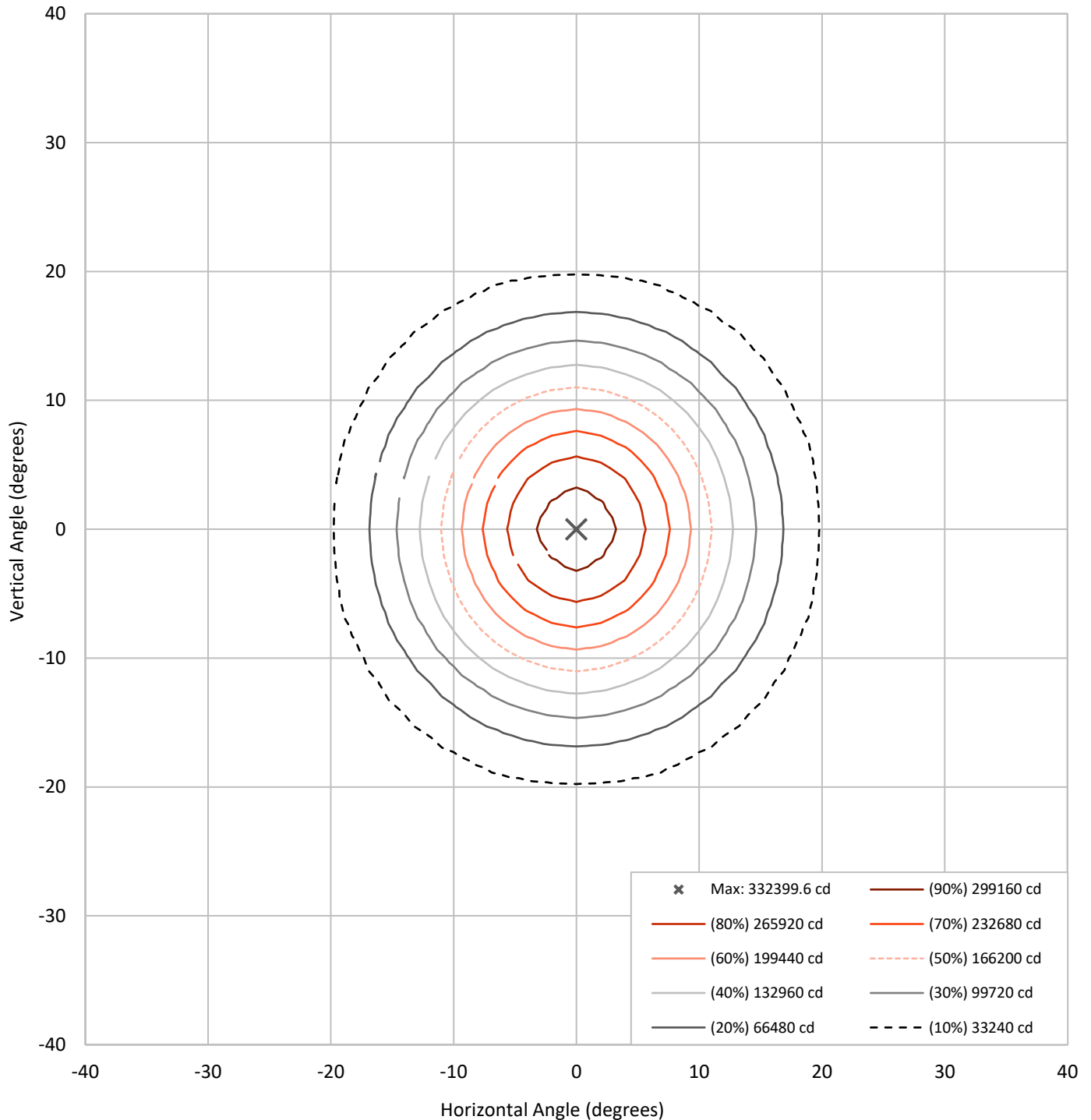
Test Method: LM-79-08
Report Number: P1305342 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-2)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-08-320L-40-70-2S-HEG-A
Description: EPHEBUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 2S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	59875.6 lumens	Max Intensity:	332399.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	176.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	22°H x 22°V	Field Angle (10%):	39.6°H x 39.6°V
Beam Lumens:	26463.1 lumens	Field Lumens:	49148.2 lumens
Beam Efficiency:	44.2%	Field Efficiency:	82.1%
Input Watts (W):	340		
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



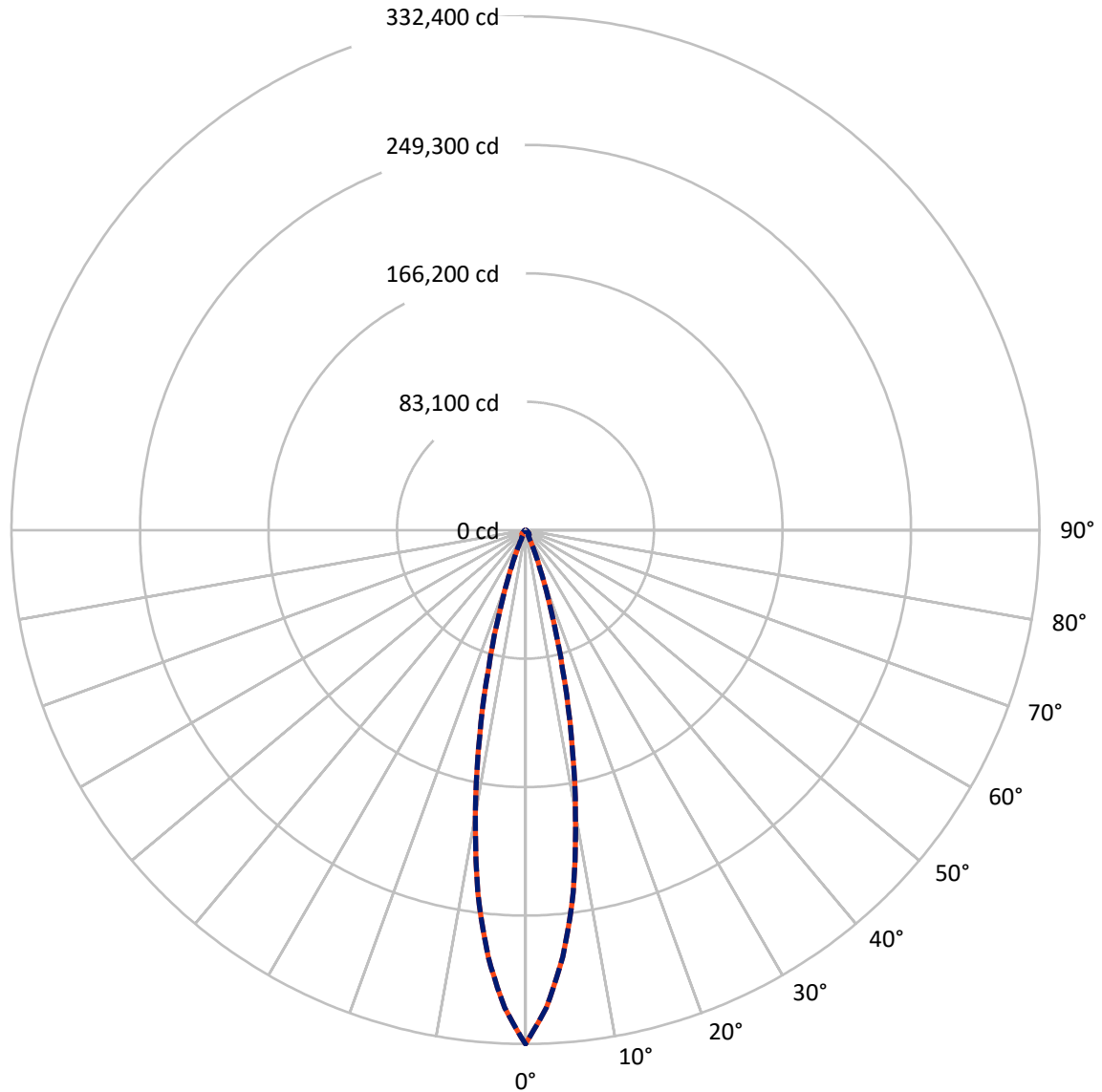
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Lumen Table

90	0.1	0.6		2.1		5.3		7.0		5.3		2.1		0.6		0.1
80	0.1	0.6		2.1		5.3		7.0		5.3		2.1		0.6		0.1
70	0.3	0.3	1.2	3.8	7.5	11.5	14.9	16.7	16.7	14.9	11.5	7.5	3.8	1.2	0.3	0.3
60		0.9	4.4	10.7	18.4	25.6	30.5	33.0	33.0	30.5	25.6	18.4	10.7	4.4	0.9	
50	0.7	2.3	8.7	18.5	28.2	45.6	69.9	83.7	83.7	69.9	45.6	28.2	18.5	8.7	2.3	0.7
40		4.0	13.0	24.4	53.8	92.4	108.2	113.8	113.8	108.2	92.4	53.8	24.4	13.0	4.0	
30	1.5	5.5	16.4	36.0	83.6	104.0	142.2	290.3	290.3	142.2	104.0	83.6	36.0	16.4	5.5	1.5
20		6.7	18.3	51.8	91.9	133.9	846.8	2509.4	2509.4	846.8	133.9	91.9	51.8	18.3	6.7	
10	1.9	7.3	19.1	60.1	93.6	267.5	2445.6	6877.8	6877.8	2445.6	267.5	93.6	60.1	19.1	7.3	1.9
0		7.3	19.1	60.1	93.6	267.5	2445.6	6877.8	6877.8	2445.6	267.5	93.6	60.1	19.1	7.3	
-10	1.5	6.7	18.3	51.8	91.9	133.9	846.8	2509.4	2509.4	846.8	133.9	91.9	51.8	18.3	6.7	1.5
-20		5.5	16.4	36.0	83.6	104.0	142.2	290.3	290.3	142.2	104.0	83.6	36.0	16.4	5.5	
-30	0.7	4.0	13.0	24.4	53.8	92.4	108.2	113.8	113.8	108.2	92.4	53.8	24.4	13.0	4.0	0.7
-40		2.3	8.7	18.5	28.2	45.6	69.9	83.7	83.7	69.9	45.6	28.2	18.5	8.7	2.3	
-50	0.3	0.9	4.4	10.7	18.4	25.6	30.5	33.0	33.0	30.5	25.6	18.4	10.7	4.4	0.9	0.3
-60		0.3	1.2	3.8	7.5	11.5	14.9	16.7	16.7	14.9	11.5	7.5	3.8	1.2	0.3	
-70	0.1	0.6		2.1		5.3		7.0		5.3		2.1		0.6		0.1
-80		0.6		2.1		5.3		7.0		5.3		2.1		0.6		
-90	0.1	0.6		2.1		5.3		7.0		5.3		2.1		0.6		0.1

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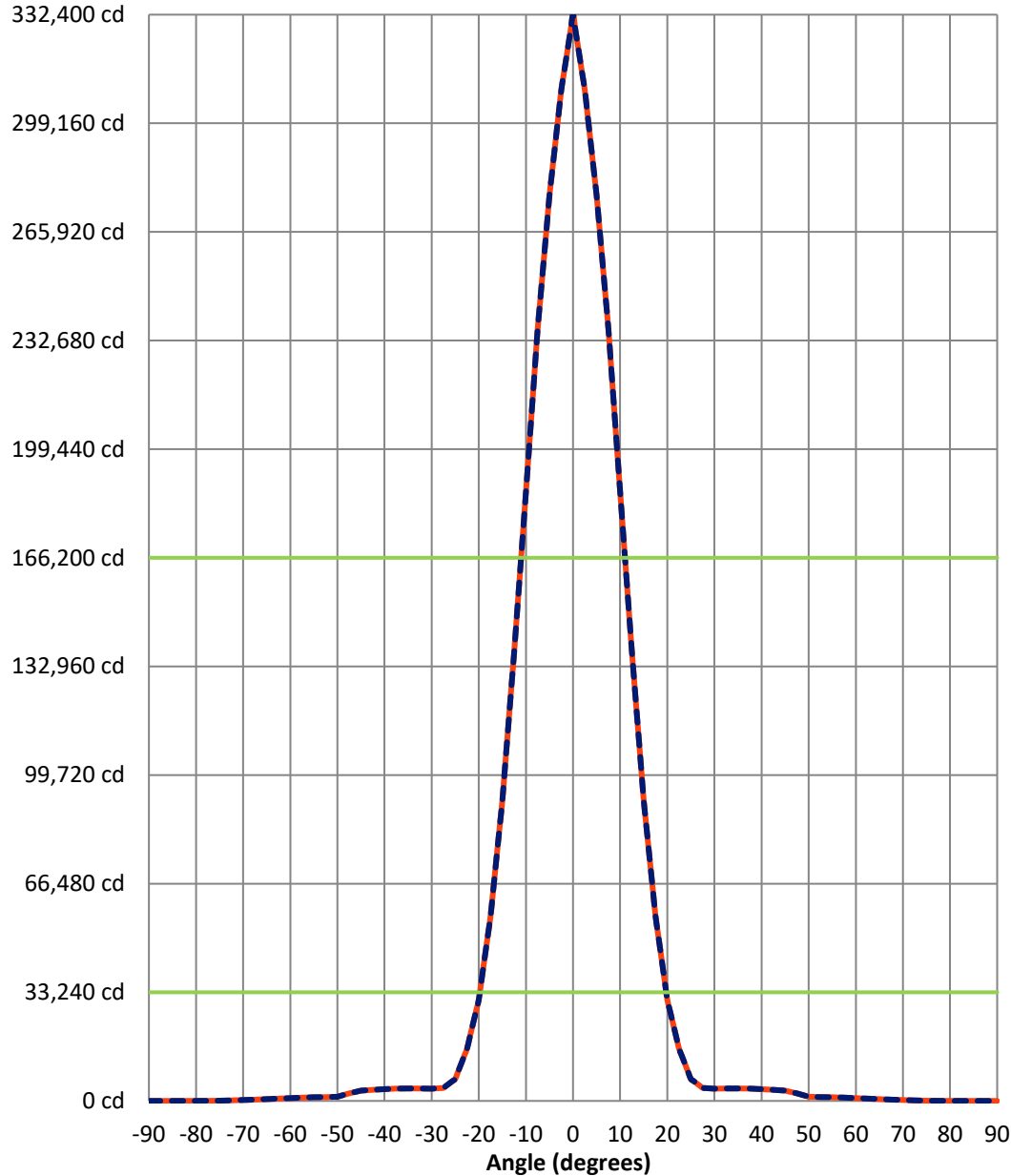
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 22°
V Angle: 22°
Lumens: 26463.1
Efficiency: 44.2%

Field:
H Angle: 39.6°
V Angle: 39.6°
Lumens: 49148.2
Efficiency: 82.1%

Spill:
Lumens: 10727.4
Efficiency: 17.9%

— 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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.3	0.5	0.8	1.1	1.3	1.6	1.9	2.1	2.4	2.6
85°	0.0	0.5	1.1	1.6	2.2	2.7	3.2	3.7	4.2	4.7	5.2
82.5°	0.0	0.8	1.6	2.4	3.2	4.0	4.8	5.6	6.3	6.7	7.0
80°	0.0	1.1	2.2	3.2	4.3	5.3	6.3	6.8	7.3	7.8	8.3
77.5°	0.0	1.3	2.7	4.0	5.3	6.4	7.1	7.7	8.4	9.0	9.7
75°	0.0	1.6	3.2	4.8	6.3	7.1	7.9	8.6	9.4	10.4	11.4
72.5°	0.0	1.9	3.7	5.6	6.8	7.7	8.6	9.6	10.8	11.9	13.1
70°	0.0	2.1	4.2	6.3	7.3	8.4	9.4	10.8	12.1	13.5	15.8
67.5°	0.0	2.4	4.7	6.7	7.8	9.0	10.4	11.9	13.5	16.1	18.7
65°	0.0	2.6	5.2	7.0	8.3	9.7	11.4	13.1	15.8	18.7	22.1
62.5°	0.0	2.9	5.7	7.4	8.8	10.5	12.4	14.8	18.0	21.6	26.9
60°	0.0	3.1	6.2	7.7	9.3	11.3	13.3	16.8	20.3	25.8	31.6
57.5°	0.0	3.3	6.4	8.1	9.9	12.1	14.8	18.7	23.6	30.0	43.7
55°	0.0	3.6	6.7	8.4	10.5	12.8	16.4	20.5	27.2	36.1	59.0
52.5°	0.0	3.8	6.9	8.8	11.1	13.6	18.0	23.4	30.7	49.6	73.9
50°	0.0	4.0	7.1	9.1	11.6	14.9	19.5	26.4	36.5	62.6	103.6
47.5°	0.0	4.2	7.3	9.4	12.1	16.1	21.0	29.2	47.7	75.2	134.0
45°	0.0	4.4	7.5	9.8	12.7	17.2	23.4	32.0	58.5	101.3	163.4
42.5°	0.0	4.6	7.7	10.2	13.2	18.3	25.7	38.3	68.8	126.6	197.6
40°	0.0	4.7	7.8	10.5	13.8	19.4	27.8	47.0	82.5	150.8	231.3
37.5°	0.0	4.9	8.0	10.8	14.6	20.4	29.9	55.2	102.9	175.5	263.5
35°	0.0	5.1	8.2	11.2	15.4	21.8	31.8	63.0	122.2	202.8	294.6
32.5°	0.0	5.2	8.3	11.5	16.1	23.3	34.9	70.3	140.5	228.5	325.0
30°	0.0	5.4	8.5	11.7	16.8	24.7	40.8	79.0	157.5	252.7	353.4
27.5°	0.0	5.5	8.6	12.0	17.4	26.0	46.2	92.8	174.9	275.1	379.9
25°	0.0	5.6	8.7	12.2	17.9	27.2	51.2	105.5	193.1	296.5	404.6
22.5°	0.0	5.7	8.8	12.5	18.5	28.3	55.7	117.1	209.8	316.4	432.2
20°	0.0	5.8	8.9	12.7	18.9	29.3	59.8	127.5	224.8	334.4	457.2
17.5°	0.0	5.9	9.0	12.8	19.3	30.2	63.5	136.8	238.1	350.3	479.4
15°	0.0	6.0	9.1	13.0	19.7	31.0	66.6	144.9	249.7	364.3	498.8
12.5°	0.0	6.1	9.2	13.1	20.0	31.6	69.3	151.8	259.6	376.1	515.3
10°	0.0	6.1	9.2	13.2	20.3	32.1	71.5	157.4	267.8	385.9	528.9
7.5°	0.0	6.1	9.2	13.3	20.4	32.6	73.3	161.8	274.1	393.5	539.5
5°	0.0	6.2	9.3	13.4	20.6	32.9	74.5	165.0	278.7	398.9	547.1
2.5°	0.0	6.2	9.3	13.4	20.7	33.0	75.3	166.9	281.4	402.2	551.7
0°	0.0	6.2	9.3	13.4	20.7	33.1	75.5	167.5	282.3	403.3	553.2
-2.5°	0.0	6.2	9.3	13.4	20.7	33.0	75.3	166.9	281.4	402.2	551.7
-5°	0.0	6.2	9.3	13.4	20.6	32.9	74.5	165.0	278.7	398.9	547.1
-7.5°	0.0	6.1	9.2	13.3	20.4	32.6	73.3	161.8	274.1	393.5	539.5
-10°	0.0	6.1	9.2	13.2	20.3	32.1	71.5	157.4	267.8	385.9	528.9
-12.5°	0.0	6.1	9.2	13.1	20.0	31.6	69.3	151.8	259.6	376.1	515.3
-15°	0.0	6.0	9.1	13.0	19.7	31.0	66.6	144.9	249.7	364.3	498.8
-17.5°	0.0	5.9	9.0	12.8	19.3	30.2	63.5	136.8	238.1	350.3	479.4
-20°	0.0	5.8	8.9	12.7	18.9	29.3	59.8	127.5	224.8	334.4	457.2



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 CATALOG NUMBER: EPH-08-320L-40-70-2S-HEG-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	5.7	8.8	12.5	18.5	28.3	55.7	117.1	209.8	316.4	432.2
-25°	0.0	5.6	8.7	12.2	17.9	27.2	51.2	105.5	193.1	296.5	404.6
-27.5°	0.0	5.5	8.6	12.0	17.4	26.0	46.2	92.8	174.9	275.1	379.9
-30°	0.0	5.4	8.5	11.7	16.8	24.7	40.8	79.0	157.5	252.7	353.4
-32.5°	0.0	5.2	8.3	11.5	16.1	23.3	34.9	70.3	140.5	228.5	325.0
-35°	0.0	5.1	8.2	11.2	15.4	21.8	31.8	63.0	122.2	202.8	294.6
-37.5°	0.0	4.9	8.0	10.8	14.6	20.4	29.9	55.2	102.9	175.5	263.5
-40°	0.0	4.7	7.8	10.5	13.8	19.4	27.8	47.0	82.5	150.8	231.3
-42.5°	0.0	4.6	7.7	10.2	13.2	18.3	25.7	38.3	68.8	126.6	197.6
-45°	0.0	4.4	7.5	9.8	12.7	17.2	23.4	32.0	58.5	101.3	163.4
-47.5°	0.0	4.2	7.3	9.4	12.1	16.1	21.0	29.2	47.7	75.2	134.0
-50°	0.0	4.0	7.1	9.1	11.6	14.9	19.5	26.4	36.5	62.6	103.6
-52.5°	0.0	3.8	6.9	8.8	11.1	13.6	18.0	23.4	30.7	49.6	73.9
-55°	0.0	3.6	6.7	8.4	10.5	12.8	16.4	20.5	27.2	36.1	59.0
-57.5°	0.0	3.3	6.4	8.1	9.9	12.1	14.8	18.7	23.6	30.0	43.7
-60°	0.0	3.1	6.2	7.7	9.3	11.3	13.3	16.8	20.3	25.8	31.6
-62.5°	0.0	2.9	5.7	7.4	8.8	10.5	12.4	14.8	18.0	21.6	26.9
-65°	0.0	2.6	5.2	7.0	8.3	9.7	11.4	13.1	15.8	18.7	22.1
-67.5°	0.0	2.4	4.7	6.7	7.8	9.0	10.4	11.9	13.5	16.1	18.7
-70°	0.0	2.1	4.2	6.3	7.3	8.4	9.4	10.8	12.1	13.5	15.8
-72.5°	0.0	1.9	3.7	5.6	6.8	7.7	8.6	9.6	10.8	11.9	13.1
-75°	0.0	1.6	3.2	4.8	6.3	7.1	7.9	8.6	9.4	10.4	11.4
-77.5°	0.0	1.3	2.7	4.0	5.3	6.4	7.1	7.7	8.4	9.0	9.7
-80°	0.0	1.1	2.2	3.2	4.3	5.3	6.3	6.8	7.3	7.8	8.3
-82.5°	0.0	0.8	1.6	2.4	3.2	4.0	4.8	5.6	6.3	6.7	7.0
-85°	0.0	0.5	1.1	1.6	2.2	2.7	3.2	3.7	4.2	4.7	5.2
-87.5°	0.0	0.3	0.5	0.8	1.1	1.3	1.6	1.9	2.1	2.4	2.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: EPH-08-320L-40-70-2S-HEG-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.9	3.1	3.3	3.6	3.8	4.0	4.2	4.4	4.6	4.7	4.9
85°	5.7	6.2	6.4	6.7	6.9	7.1	7.3	7.5	7.7	7.8	8.0
82.5°	7.4	7.7	8.1	8.4	8.8	9.1	9.4	9.8	10.2	10.5	10.8
80°	8.8	9.3	9.9	10.5	11.1	11.6	12.1	12.7	13.2	13.8	14.6
77.5°	10.5	11.3	12.1	12.8	13.6	14.9	16.1	17.2	18.3	19.4	20.4
75°	12.4	13.3	14.8	16.4	18.0	19.5	21.0	23.4	25.7	27.8	29.9
72.5°	14.8	16.8	18.7	20.5	23.4	26.4	29.2	32.0	38.3	47.0	55.2
70°	18.0	20.3	23.6	27.2	30.7	36.5	47.7	58.5	68.8	82.5	102.9
67.5°	21.6	25.8	30.0	36.1	49.6	62.6	75.2	101.3	126.6	150.8	175.5
65°	26.9	31.6	43.7	59.0	73.9	103.6	134.0	163.4	197.6	231.3	263.5
62.5°	32.2	47.5	64.7	88.7	124.3	158.9	198.6	239.0	277.9	316.9	354.4
60°	47.5	66.6	97.0	136.8	177.6	224.8	270.5	316.4	361.3	404.6	455.5
57.5°	64.7	97.0	141.0	188.2	240.6	292.2	344.5	395.0	453.5	511.5	567.6
55°	88.7	136.8	188.2	245.9	303.4	361.4	421.2	488.9	554.3	619.7	682.3
52.5°	124.3	177.6	240.6	303.4	367.1	435.4	510.3	584.2	657.4	727.1	792.0
50°	158.9	224.8	292.2	361.4	435.4	517.5	599.3	680.2	756.6	829.2	901.9
47.5°	198.6	270.5	344.5	421.2	510.3	599.3	687.9	771.5	851.8	934.6	1014.8
45°	239.0	316.4	395.0	488.9	584.2	680.2	771.5	859.3	951.0	1034.0	1093.8
42.5°	277.9	361.3	453.5	554.3	657.4	756.6	851.8	951.0	1039.9	1105.7	1143.9
40°	316.9	404.6	511.5	619.7	727.1	829.2	934.6	1034.0	1105.7	1145.6	1165.4
37.5°	354.4	455.5	567.6	682.3	792.0	901.9	1014.8	1093.8	1143.9	1165.4	1240.5
35°	390.0	503.9	622.6	740.8	854.0	973.6	1070.2	1138.5	1161.8	1233.6	1507.8
32.5°	428.4	549.7	674.7	795.1	916.9	1035.4	1121.4	1154.6	1213.1	1390.5	2109.3
30°	467.5	594.3	723.1	846.3	976.5	1080.4	1144.0	1179.3	1273.7	1929.8	2614.6
27.5°	503.9	636.1	767.1	896.8	1028.8	1122.5	1157.4	1232.6	1634.8	2416.5	3057.1
25°	537.6	674.7	807.8	944.6	1065.0	1141.7	1179.0	1282.3	2080.6	2805.0	3245.3
22.5°	568.9	710.0	845.0	988.3	1098.3	1152.3	1221.5	1613.3	2459.9	3153.6	3360.6
20°	597.9	740.8	880.2	1025.8	1128.5	1161.9	1260.3	1962.8	2766.3	3252.0	3455.2
17.5°	623.6	768.1	912.6	1050.5	1139.8	1181.6	1336.5	2276.6	3042.1	3340.8	3535.5
15°	646.1	792.0	940.9	1072.2	1146.8	1209.7	1591.3	2508.4	3189.4	3415.6	3606.4
12.5°	665.3	812.4	965.0	1090.7	1152.7	1233.8	1809.5	2701.1	3251.7	3472.3	3656.5
10°	681.1	829.2	984.9	1105.9	1157.6	1253.7	1990.0	2860.6	3303.3	3519.3	3698.3
7.5°	693.4	842.3	1000.5	1117.9	1161.4	1269.2	2131.6	2985.9	3344.0	3556.4	3731.2
5°	702.2	851.8	1011.6	1126.4	1164.2	1280.4	2233.4	3076.1	3373.2	3583.2	3755.0
2.5°	707.5	857.4	1018.4	1131.6	1165.8	1287.1	2294.7	3130.4	3390.9	3599.3	3769.4
0°	709.3	859.3	1020.6	1133.3	1166.4	1289.4	2315.2	3148.6	3396.8	3604.7	3774.2
-2.5°	707.5	857.4	1018.4	1131.6	1165.8	1287.1	2294.7	3130.4	3390.9	3599.3	3769.4
-5°	702.2	851.8	1011.6	1126.4	1164.2	1280.4	2233.4	3076.1	3373.2	3583.2	3755.0
-7.5°	693.4	842.3	1000.5	1117.9	1161.4	1269.2	2131.6	2985.9	3344.0	3556.4	3731.2
-10°	681.1	829.2	984.9	1105.9	1157.6	1253.7	1990.0	2860.6	3303.3	3519.3	3698.3
-12.5°	665.3	812.4	965.0	1090.7	1152.7	1233.8	1809.5	2701.1	3251.7	3472.3	3656.5
-15°	646.1	792.0	940.9	1072.2	1146.8	1209.7	1591.3	2508.4	3189.4	3415.6	3606.4
-17.5°	623.6	768.1	912.6	1050.5	1139.8	1181.6	1336.5	2276.6	3042.1	3340.8	3535.5
-20°	597.9	740.8	880.2	1025.8	1128.5	1161.9	1260.3	1962.8	2766.3	3252.0	3455.2



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	568.9	710.0	845.0	988.3	1098.3	1152.3	1221.5	1613.3	2459.9	3153.6	3360.6
-25°	537.6	674.7	807.8	944.6	1065.0	1141.7	1179.0	1282.3	2080.6	2805.0	3245.3
-27.5°	503.9	636.1	767.1	896.8	1028.8	1122.5	1157.4	1232.6	1634.8	2416.5	3057.1
-30°	467.5	594.3	723.1	846.3	976.5	1080.4	1144.0	1179.3	1273.7	1929.8	2614.6
-32.5°	428.4	549.7	674.7	795.1	916.9	1035.4	1121.4	1154.6	1213.1	1390.5	2109.3
-35°	390.0	503.9	622.6	740.8	854.0	973.6	1070.2	1138.5	1161.8	1233.6	1507.8
-37.5°	354.4	455.5	567.6	682.3	792.0	901.9	1014.8	1093.8	1143.9	1165.4	1240.5
-40°	316.9	404.6	511.5	619.7	727.1	829.2	934.6	1034.0	1105.7	1145.6	1165.4
-42.5°	277.9	361.3	453.5	554.3	657.4	756.6	851.8	951.0	1039.9	1105.7	1143.9
-45°	239.0	316.4	395.0	488.9	584.2	680.2	771.5	859.3	951.0	1034.0	1093.8
-47.5°	198.6	270.5	344.5	421.2	510.3	599.3	687.9	771.5	851.8	934.6	1014.8
-50°	158.9	224.8	292.2	361.4	435.4	517.5	599.3	680.2	756.6	829.2	901.9
-52.5°	124.3	177.6	240.6	303.4	367.1	435.4	510.3	584.2	657.4	727.1	792.0
-55°	88.7	136.8	188.2	245.9	303.4	361.4	421.2	488.9	554.3	619.7	682.3
-57.5°	64.7	97.0	141.0	188.2	240.6	292.2	344.5	395.0	453.5	511.5	567.6
-60°	47.5	66.6	97.0	136.8	177.6	224.8	270.5	316.4	361.3	404.6	455.5
-62.5°	32.2	47.5	64.7	88.7	124.3	158.9	198.6	239.0	277.9	316.9	354.4
-65°	26.9	31.6	43.7	59.0	73.9	103.6	134.0	163.4	197.6	231.3	263.5
-67.5°	21.6	25.8	30.0	36.1	49.6	62.6	75.2	101.3	126.6	150.8	175.5
-70°	18.0	20.3	23.6	27.2	30.7	36.5	47.7	58.5	68.8	82.5	102.9
-72.5°	14.8	16.8	18.7	20.5	23.4	26.4	29.2	32.0	38.3	47.0	55.2
-75°	12.4	13.3	14.8	16.4	18.0	19.5	21.0	23.4	25.7	27.8	29.9
-77.5°	10.5	11.3	12.1	12.8	13.6	14.9	16.1	17.2	18.3	19.4	20.4
-80°	8.8	9.3	9.9	10.5	11.1	11.6	12.1	12.7	13.2	13.8	14.6
-82.5°	7.4	7.7	8.1	8.4	8.8	9.1	9.4	9.8	10.2	10.5	10.8
-85°	5.7	6.2	6.4	6.7	6.9	7.1	7.3	7.5	7.7	7.8	8.0
-87.5°	2.9	3.1	3.3	3.6	3.8	4.0	4.2	4.4	4.6	4.7	4.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.1	5.2	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.1
85°	8.2	8.3	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.2
82.5°	11.2	11.5	11.7	12.0	12.2	12.5	12.7	12.8	13.0	13.1	13.2
80°	15.4	16.1	16.8	17.4	17.9	18.5	18.9	19.3	19.7	20.0	20.3
77.5°	21.8	23.3	24.7	26.0	27.2	28.3	29.3	30.2	31.0	31.6	32.1
75°	31.8	34.9	40.8	46.2	51.2	55.7	59.8	63.5	66.6	69.3	71.5
72.5°	63.0	70.3	79.0	92.8	105.5	117.1	127.5	136.8	144.9	151.8	157.4
70°	122.2	140.5	157.5	174.9	193.1	209.8	224.8	238.1	249.7	259.6	267.8
67.5°	202.8	228.5	252.7	275.1	296.5	316.4	334.4	350.3	364.3	376.1	385.9
65°	294.6	325.0	353.4	379.9	404.6	432.2	457.2	479.4	498.8	515.3	528.9
62.5°	390.0	428.4	467.5	503.9	537.6	568.9	597.9	623.6	646.1	665.3	681.1
60°	503.9	549.7	594.3	636.1	674.7	710.0	740.8	768.1	792.0	812.4	829.2
57.5°	622.6	674.7	723.1	767.1	807.8	845.0	880.2	912.6	940.9	965.0	984.9
55°	740.8	795.1	846.3	896.8	944.6	988.3	1025.8	1050.5	1072.2	1090.7	1105.9
52.5°	854.0	916.9	976.5	1028.8	1065.0	1098.3	1128.5	1139.8	1146.8	1152.7	1157.6
50°	973.6	1035.4	1080.4	1122.5	1141.7	1152.3	1161.9	1181.6	1209.7	1233.8	1253.7
47.5°	1070.2	1121.4	1144.0	1157.4	1179.0	1221.5	1260.3	1336.5	1591.3	1809.5	1990.0
45°	1138.5	1154.6	1179.3	1232.6	1282.3	1613.3	1962.8	2276.6	2508.4	2701.1	2860.6
42.5°	1161.8	1213.1	1273.7	1634.8	2080.6	2459.9	2766.3	3042.1	3189.4	3251.7	3303.3
40°	1233.6	1390.5	1929.8	2416.5	2805.0	3153.6	3252.0	3340.8	3415.6	3472.3	3519.3
37.5°	1507.8	2109.3	2614.6	3057.1	3245.3	3360.6	3455.2	3535.5	3606.4	3656.5	3698.3
35°	2169.6	2714.8	3167.1	3307.6	3433.1	3536.7	3627.2	3697.9	3760.7	3782.5	3791.6
32.5°	2714.8	3182.5	3339.2	3473.8	3592.3	3685.2	3768.9	3788.5	3802.3	3807.7	3806.5
30°	3167.1	3339.2	3487.5	3617.6	3720.6	3783.0	3801.1	3807.3	3805.4	3798.7	3779.2
27.5°	3307.6	3473.8	3617.6	3732.6	3787.9	3808.3	3805.9	3797.5	3768.6	3743.3	3828.0
25°	3433.1	3592.3	3720.6	3787.9	3808.0	3805.3	3782.4	3747.8	3849.7	3960.0	4742.3
22.5°	3536.7	3685.2	3783.0	3808.3	3805.3	3777.4	3767.1	3916.0	4723.0	6077.5	8498.7
20°	3627.2	3768.9	3801.1	3805.9	3782.4	3767.1	3938.5	5253.4	7396.9	12446.9	17344.5
17.5°	3697.9	3788.5	3807.3	3797.5	3747.8	3916.0	5253.4	8362.1	14493.9	22618.5	30516.7
15°	3760.7	3802.3	3805.4	3768.6	3849.7	4723.0	7396.9	14493.9	24427.5	36786.7	51832.8
12.5°	3782.5	3807.7	3798.7	3743.3	3960.0	6077.5	12446.9	22618.5	36786.7	55487.2	78386.7
10°	3791.6	3806.5	3779.2	3828.0	4742.3	8498.7	17344.5	30516.7	51832.8	78386.7	107053.1
7.5°	3798.9	3805.5	3763.7	3896.1	5586.3	11682.1	23132.6	41294.0	67442.6	99600.6	137651.1
5°	3804.2	3804.8	3752.4	3945.8	6204.9	14028.9	27432.9	49632.4	80715.4	119123.5	163497.6
2.5°	3807.3	3804.3	3745.5	3976.0	6582.8	15468.7	30086.4	54819.9	89072.3	132459.9	180350.4
0°	3808.4	3804.2	3743.2	3986.2	6709.9	15954.2	30983.9	56582.5	91931.1	137204.4	186260.1
-2.5°	3807.3	3804.3	3745.5	3976.0	6582.8	15468.7	30086.4	54819.9	89072.3	132459.9	180350.4
-5°	3804.2	3804.8	3752.4	3945.8	6204.9	14028.9	27432.9	49632.4	80715.4	119123.5	163497.6
-7.5°	3798.9	3805.5	3763.7	3896.1	5586.3	11682.1	23132.6	41294.0	67442.6	99600.6	137651.1
-10°	3791.6	3806.5	3779.2	3828.0	4742.3	8498.7	17344.5	30516.7	51832.8	78386.7	107053.1
-12.5°	3782.5	3807.7	3798.7	3743.3	3960.0	6077.5	12446.9	22618.5	36786.7	55487.2	78386.7
-15°	3760.7	3802.3	3805.4	3768.6	3849.7	4723.0	7396.9	14493.9	24427.5	36786.7	51832.8
-17.5°	3697.9	3788.5	3807.3	3797.5	3747.8	3916.0	5253.4	8362.1	14493.9	22618.5	30516.7
-20°	3627.2	3768.9	3801.1	3805.9	3782.4	3767.1	3938.5	5253.4	7396.9	12446.9	17344.5



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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°	3536.7	3685.2	3783.0	3808.3	3805.3	3777.4	3767.1	3916.0	4723.0	6077.5	8498.7
-25°	3433.1	3592.3	3720.6	3787.9	3808.0	3805.3	3782.4	3747.8	3849.7	3960.0	4742.3
-27.5°	3307.6	3473.8	3617.6	3732.6	3787.9	3808.3	3805.9	3797.5	3768.6	3743.3	3828.0
-30°	3167.1	3339.2	3487.5	3617.6	3720.6	3783.0	3801.1	3807.3	3805.4	3798.7	3779.2
-32.5°	2714.8	3182.5	3339.2	3473.8	3592.3	3685.2	3768.9	3788.5	3802.3	3807.7	3806.5
-35°	2169.6	2714.8	3167.1	3307.6	3433.1	3536.7	3627.2	3697.9	3760.7	3782.5	3791.6
-37.5°	1507.8	2109.3	2614.6	3057.1	3245.3	3360.6	3455.2	3535.5	3606.4	3656.5	3698.3
-40°	1233.6	1390.5	1929.8	2416.5	2805.0	3153.6	3252.0	3340.8	3415.6	3472.3	3519.3
-42.5°	1161.8	1213.1	1273.7	1634.8	2080.6	2459.9	2766.3	3042.1	3189.4	3251.7	3303.3
-45°	1138.5	1154.6	1179.3	1232.6	1282.3	1613.3	1962.8	2276.6	2508.4	2701.1	2860.6
-47.5°	1070.2	1121.4	1144.0	1157.4	1179.0	1221.5	1260.3	1336.5	1591.3	1809.5	1990.0
-50°	973.6	1035.4	1080.4	1122.5	1141.7	1152.3	1161.9	1181.6	1209.7	1233.8	1253.7
-52.5°	854.0	916.9	976.5	1028.8	1065.0	1098.3	1128.5	1139.8	1146.8	1152.7	1157.6
-55°	740.8	795.1	846.3	896.8	944.6	988.3	1025.8	1050.5	1072.2	1090.7	1105.9
-57.5°	622.6	674.7	723.1	767.1	807.8	845.0	880.2	912.6	940.9	965.0	984.9
-60°	503.9	549.7	594.3	636.1	674.7	710.0	740.8	768.1	792.0	812.4	829.2
-62.5°	390.0	428.4	467.5	503.9	537.6	568.9	597.9	623.6	646.1	665.3	681.1
-65°	294.6	325.0	353.4	379.9	404.6	432.2	457.2	479.4	498.8	515.3	528.9
-67.5°	202.8	228.5	252.7	275.1	296.5	316.4	334.4	350.3	364.3	376.1	385.9
-70°	122.2	140.5	157.5	174.9	193.1	209.8	224.8	238.1	249.7	259.6	267.8
-72.5°	63.0	70.3	79.0	92.8	105.5	117.1	127.5	136.8	144.9	151.8	157.4
-75°	31.8	34.9	40.8	46.2	51.2	55.7	59.8	63.5	66.6	69.3	71.5
-77.5°	21.8	23.3	24.7	26.0	27.2	28.3	29.3	30.2	31.0	31.6	32.1
-80°	15.4	16.1	16.8	17.4	17.9	18.5	18.9	19.3	19.7	20.0	20.3
-82.5°	11.2	11.5	11.7	12.0	12.2	12.5	12.7	12.8	13.0	13.1	13.2
-85°	8.2	8.3	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.2
-87.5°	5.1	5.2	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1305342 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320L-40-70-2S-HEG-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.1	6.2	6.2	6.2	6.2	6.2	6.1	6.1	6.1	6.0	5.9
85°	9.2	9.3	9.3	9.3	9.3	9.3	9.2	9.2	9.2	9.1	9.0
82.5°	13.3	13.4	13.4	13.4	13.4	13.4	13.3	13.2	13.1	13.0	12.8
80°	20.4	20.6	20.7	20.7	20.7	20.6	20.4	20.3	20.0	19.7	19.3
77.5°	32.6	32.9	33.0	33.1	33.0	32.9	32.6	32.1	31.6	31.0	30.2
75°	73.3	74.5	75.3	75.5	75.3	74.5	73.3	71.5	69.3	66.6	63.5
72.5°	161.8	165.0	166.9	167.5	166.9	165.0	161.8	157.4	151.8	144.9	136.8
70°	274.1	278.7	281.4	282.3	281.4	278.7	274.1	267.8	259.6	249.7	238.1
67.5°	393.5	398.9	402.2	403.3	402.2	398.9	393.5	385.9	376.1	364.3	350.3
65°	539.5	547.1	551.7	553.2	551.7	547.1	539.5	528.9	515.3	498.8	479.4
62.5°	693.4	702.2	707.5	709.3	707.5	702.2	693.4	681.1	665.3	646.1	623.6
60°	842.3	851.8	857.4	859.3	857.4	851.8	842.3	829.2	812.4	792.0	768.1
57.5°	1000.5	1011.6	1018.4	1020.6	1018.4	1011.6	1000.5	984.9	965.0	940.9	912.6
55°	1117.9	1126.4	1131.6	1133.3	1131.6	1126.4	1117.9	1105.9	1090.7	1072.2	1050.5
52.5°	1161.4	1164.2	1165.8	1166.4	1165.8	1164.2	1161.4	1157.6	1152.7	1146.8	1139.8
50°	1269.2	1280.4	1287.1	1289.4	1287.1	1280.4	1269.2	1253.7	1233.8	1209.7	1181.6
47.5°	2131.6	2233.4	2294.7	2315.2	2294.7	2233.4	2131.6	1990.0	1809.5	1591.3	1336.5
45°	2985.9	3076.1	3130.4	3148.6	3130.4	3076.1	2985.9	2860.6	2701.1	2508.4	2276.6
42.5°	3344.0	3373.2	3390.9	3396.8	3390.9	3373.2	3344.0	3303.3	3251.7	3189.4	3042.1
40°	3556.4	3583.2	3599.3	3604.7	3599.3	3583.2	3556.4	3519.3	3472.3	3415.6	3340.8
37.5°	3731.2	3755.0	3769.4	3774.2	3769.4	3755.0	3731.2	3698.3	3656.5	3606.4	3535.5
35°	3798.9	3804.2	3807.3	3808.4	3807.3	3804.2	3798.9	3791.6	3782.5	3760.7	3697.9
32.5°	3805.5	3804.8	3804.3	3804.2	3804.3	3804.8	3805.5	3806.5	3807.7	3802.3	3788.5
30°	3763.7	3752.4	3745.5	3743.2	3745.5	3752.4	3763.7	3779.2	3798.7	3805.4	3807.3
27.5°	3896.1	3945.8	3976.0	3986.2	3976.0	3945.8	3896.1	3828.0	3743.3	3768.6	3797.5
25°	5586.3	6204.9	6582.8	6709.9	6582.8	6204.9	5586.3	4742.3	3960.0	3849.7	3747.8
22.5°	11682.1	14028.9	15468.7	15954.2	15468.7	14028.9	11682.1	8498.7	6077.5	4723.0	3916.0
20°	23132.6	27432.9	30086.4	30983.9	30086.4	27432.9	23132.6	17344.5	12446.9	7396.9	5253.4
17.5°	41294.0	49632.4	54819.9	56582.5	54819.9	49632.4	41294.0	30516.7	22618.5	14493.9	8362.1
15°	67442.6	80715.4	89072.3	91931.1	89072.3	80715.4	67442.6	51832.8	36786.7	24427.5	14493.9
12.5°	99600.6	119123.5	132459.9	137204.4	132459.9	119123.5	99600.6	78386.7	55487.2	36786.7	22618.5
10°	137651.1	163497.6	180350.4	186260.1	180350.4	163497.6	137651.1	107053.1	78386.7	51832.8	30516.7
7.5°	174788.8	205474.6	228108.9	236300.8	228108.9	205474.6	174788.8	137651.1	99600.6	67442.6	41294.0
5°	205474.6	245101.7	269399.1	277079.6	269399.1	245101.7	205474.6	163497.6	119123.5	80715.4	49632.4
2.5°	228108.9	269399.1	295664.3	309283.2	295664.3	269399.1	228108.9	180350.4	132459.9	89072.3	54819.9
0°	236300.8	277079.6	309283.2	332399.6	309283.2	277079.6	236300.8	186260.1	137204.4	91931.1	56582.5
-2.5°	228108.9	269399.1	295664.3	309283.2	295664.3	269399.1	228108.9	180350.4	132459.9	89072.3	54819.9
-5°	205474.6	245101.7	269399.1	277079.6	269399.1	245101.7	205474.6	163497.6	119123.5	80715.4	49632.4
-7.5°	174788.8	205474.6	228108.9	236300.8	228108.9	205474.6	174788.8	137651.1	99600.6	67442.6	41294.0
-10°	137651.1	163497.6	180350.4	186260.1	180350.4	163497.6	137651.1	107053.1	78386.7	51832.8	30516.7
-12.5°	99600.6	119123.5	132459.9	137204.4	132459.9	119123.5	99600.6	78386.7	55487.2	36786.7	22618.5
-15°	67442.6	80715.4	89072.3	91931.1	89072.3	80715.4	67442.6	51832.8	36786.7	24427.5	14493.9
-17.5°	41294.0	49632.4	54819.9	56582.5	54819.9	49632.4	41294.0	30516.7	22618.5	14493.9	8362.1
-20°	23132.6	27432.9	30086.4	30983.9	30086.4	27432.9	23132.6	17344.5	12446.9	7396.9	5253.4



REPORT NUMBER: P1305342 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	11682.1	14028.9	15468.7	15954.2	15468.7	14028.9	11682.1	8498.7	6077.5	4723.0	3916.0
-25°	5586.3	6204.9	6582.8	6709.9	6582.8	6204.9	5586.3	4742.3	3960.0	3849.7	3747.8
-27.5°	3896.1	3945.8	3976.0	3986.2	3976.0	3945.8	3896.1	3828.0	3743.3	3768.6	3797.5
-30°	3763.7	3752.4	3745.5	3743.2	3745.5	3752.4	3763.7	3779.2	3798.7	3805.4	3807.3
-32.5°	3805.5	3804.8	3804.3	3804.2	3804.3	3804.8	3805.5	3806.5	3807.7	3802.3	3788.5
-35°	3798.9	3804.2	3807.3	3808.4	3807.3	3804.2	3798.9	3791.6	3782.5	3760.7	3697.9
-37.5°	3731.2	3755.0	3769.4	3774.2	3769.4	3755.0	3731.2	3698.3	3656.5	3606.4	3535.5
-40°	3556.4	3583.2	3599.3	3604.7	3599.3	3583.2	3556.4	3519.3	3472.3	3415.6	3340.8
-42.5°	3344.0	3373.2	3390.9	3396.8	3390.9	3373.2	3344.0	3303.3	3251.7	3189.4	3042.1
-45°	2985.9	3076.1	3130.4	3148.6	3130.4	3076.1	2985.9	2860.6	2701.1	2508.4	2276.6
-47.5°	2131.6	2233.4	2294.7	2315.2	2294.7	2233.4	2131.6	1990.0	1809.5	1591.3	1336.5
-50°	1269.2	1280.4	1287.1	1289.4	1287.1	1280.4	1269.2	1253.7	1233.8	1209.7	1181.6
-52.5°	1161.4	1164.2	1165.8	1166.4	1165.8	1164.2	1161.4	1157.6	1152.7	1146.8	1139.8
-55°	1117.9	1126.4	1131.6	1133.3	1131.6	1126.4	1117.9	1105.9	1090.7	1072.2	1050.5
-57.5°	1000.5	1011.6	1018.4	1020.6	1018.4	1011.6	1000.5	984.9	965.0	940.9	912.6
-60°	842.3	851.8	857.4	859.3	857.4	851.8	842.3	829.2	812.4	792.0	768.1
-62.5°	693.4	702.2	707.5	709.3	707.5	702.2	693.4	681.1	665.3	646.1	623.6
-65°	539.5	547.1	551.7	553.2	551.7	547.1	539.5	528.9	515.3	498.8	479.4
-67.5°	393.5	398.9	402.2	403.3	402.2	398.9	393.5	385.9	376.1	364.3	350.3
-70°	274.1	278.7	281.4	282.3	281.4	278.7	274.1	267.8	259.6	249.7	238.1
-72.5°	161.8	165.0	166.9	167.5	166.9	165.0	161.8	157.4	151.8	144.9	136.8
-75°	73.3	74.5	75.3	75.5	75.3	74.5	73.3	71.5	69.3	66.6	63.5
-77.5°	32.6	32.9	33.0	33.1	33.0	32.9	32.6	32.1	31.6	31.0	30.2
-80°	20.4	20.6	20.7	20.7	20.7	20.6	20.4	20.3	20.0	19.7	19.3
-82.5°	13.3	13.4	13.4	13.4	13.4	13.4	13.3	13.2	13.1	13.0	12.8
-85°	9.2	9.3	9.3	9.3	9.3	9.3	9.2	9.2	9.2	9.1	9.0
-87.5°	6.1	6.2	6.2	6.2	6.2	6.2	6.1	6.1	6.1	6.0	5.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.8	5.7	5.6	5.5	5.4	5.2	5.1	4.9	4.7	4.6	4.4
85°	8.9	8.8	8.7	8.6	8.5	8.3	8.2	8.0	7.8	7.7	7.5
82.5°	12.7	12.5	12.2	12.0	11.7	11.5	11.2	10.8	10.5	10.2	9.8
80°	18.9	18.5	17.9	17.4	16.8	16.1	15.4	14.6	13.8	13.2	12.7
77.5°	29.3	28.3	27.2	26.0	24.7	23.3	21.8	20.4	19.4	18.3	17.2
75°	59.8	55.7	51.2	46.2	40.8	34.9	31.8	29.9	27.8	25.7	23.4
72.5°	127.5	117.1	105.5	92.8	79.0	70.3	63.0	55.2	47.0	38.3	32.0
70°	224.8	209.8	193.1	174.9	157.5	140.5	122.2	102.9	82.5	68.8	58.5
67.5°	334.4	316.4	296.5	275.1	252.7	228.5	202.8	175.5	150.8	126.6	101.3
65°	457.2	432.2	404.6	379.9	353.4	325.0	294.6	263.5	231.3	197.6	163.4
62.5°	597.9	568.9	537.6	503.9	467.5	428.4	390.0	354.4	316.9	277.9	239.0
60°	740.8	710.0	674.7	636.1	594.3	549.7	503.9	455.5	404.6	361.3	316.4
57.5°	880.2	845.0	807.8	767.1	723.1	674.7	622.6	567.6	511.5	453.5	395.0
55°	1025.8	988.3	944.6	896.8	846.3	795.1	740.8	682.3	619.7	554.3	488.9
52.5°	1128.5	1098.3	1065.0	1028.8	976.5	916.9	854.0	792.0	727.1	657.4	584.2
50°	1161.9	1152.3	1141.7	1122.5	1080.4	1035.4	973.6	901.9	829.2	756.6	680.2
47.5°	1260.3	1221.5	1179.0	1157.4	1144.0	1121.4	1070.2	1014.8	934.6	851.8	771.5
45°	1962.8	1613.3	1282.3	1232.6	1179.3	1154.6	1138.5	1093.8	1034.0	951.0	859.3
42.5°	2766.3	2459.9	2080.6	1634.8	1273.7	1213.1	1161.8	1143.9	1105.7	1039.9	951.0
40°	3252.0	3153.6	2805.0	2416.5	1929.8	1390.5	1233.6	1165.4	1145.6	1105.7	1034.0
37.5°	3455.2	3360.6	3245.3	3057.1	2614.6	2109.3	1507.8	1240.5	1165.4	1143.9	1093.8
35°	3627.2	3536.7	3433.1	3307.6	3167.1	2714.8	2169.6	1507.8	1233.6	1161.8	1138.5
32.5°	3768.9	3685.2	3592.3	3473.8	3339.2	3182.5	2714.8	2109.3	1390.5	1213.1	1154.6
30°	3801.1	3783.0	3720.6	3617.6	3487.5	3339.2	3167.1	2614.6	1929.8	1273.7	1179.3
27.5°	3805.9	3808.3	3787.9	3732.6	3617.6	3473.8	3307.6	3057.1	2416.5	1634.8	1232.6
25°	3782.4	3805.3	3808.0	3787.9	3720.6	3592.3	3433.1	3245.3	2805.0	2080.6	1282.3
22.5°	3767.1	3777.4	3805.3	3808.3	3783.0	3685.2	3536.7	3360.6	3153.6	2459.9	1613.3
20°	3938.5	3767.1	3782.4	3805.9	3801.1	3768.9	3627.2	3455.2	3252.0	2766.3	1962.8
17.5°	5253.4	3916.0	3747.8	3797.5	3807.3	3788.5	3697.9	3535.5	3340.8	3042.1	2276.6
15°	7396.9	4723.0	3849.7	3768.6	3805.4	3802.3	3760.7	3606.4	3415.6	3189.4	2508.4
12.5°	12446.9	6077.5	3960.0	3743.3	3798.7	3807.7	3782.5	3656.5	3472.3	3251.7	2701.1
10°	17344.5	8498.7	4742.3	3828.0	3779.2	3806.5	3791.6	3698.3	3519.3	3303.3	2860.6
7.5°	23132.6	11682.1	5586.3	3896.1	3763.7	3805.5	3798.9	3731.2	3556.4	3344.0	2985.9
5°	27432.9	14028.9	6204.9	3945.8	3752.4	3804.8	3804.2	3755.0	3583.2	3373.2	3076.1
2.5°	30086.4	15468.7	6582.8	3976.0	3745.5	3804.3	3807.3	3769.4	3599.3	3390.9	3130.4
0°	30983.9	15954.2	6709.9	3986.2	3743.2	3804.2	3808.4	3774.2	3604.7	3396.8	3148.6
-2.5°	30086.4	15468.7	6582.8	3976.0	3745.5	3804.3	3807.3	3769.4	3599.3	3390.9	3130.4
-5°	27432.9	14028.9	6204.9	3945.8	3752.4	3804.8	3804.2	3755.0	3583.2	3373.2	3076.1
-7.5°	23132.6	11682.1	5586.3	3896.1	3763.7	3805.5	3798.9	3731.2	3556.4	3344.0	2985.9
-10°	17344.5	8498.7	4742.3	3828.0	3779.2	3806.5	3791.6	3698.3	3519.3	3303.3	2860.6
-12.5°	12446.9	6077.5	3960.0	3743.3	3798.7	3807.7	3782.5	3656.5	3472.3	3251.7	2701.1
-15°	7396.9	4723.0	3849.7	3768.6	3805.4	3802.3	3760.7	3606.4	3415.6	3189.4	2508.4
-17.5°	5253.4	3916.0	3747.8	3797.5	3807.3	3788.5	3697.9	3535.5	3340.8	3042.1	2276.6
-20°	3938.5	3767.1	3782.4	3805.9	3801.1	3768.9	3627.2	3455.2	3252.0	2766.3	1962.8



REPORT NUMBER: P1305342 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320L-40-70-2S-HEG-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	3767.1	3777.4	3805.3	3808.3	3783.0	3685.2	3536.7	3360.6	3153.6	2459.9	1613.3
-25°	3782.4	3805.3	3808.0	3787.9	3720.6	3592.3	3433.1	3245.3	2805.0	2080.6	1282.3
-27.5°	3805.9	3808.3	3787.9	3732.6	3617.6	3473.8	3307.6	3057.1	2416.5	1634.8	1232.6
-30°	3801.1	3783.0	3720.6	3617.6	3487.5	3339.2	3167.1	2614.6	1929.8	1273.7	1179.3
-32.5°	3768.9	3685.2	3592.3	3473.8	3339.2	3182.5	2714.8	2109.3	1390.5	1213.1	1154.6
-35°	3627.2	3536.7	3433.1	3307.6	3167.1	2714.8	2169.6	1507.8	1233.6	1161.8	1138.5
-37.5°	3455.2	3360.6	3245.3	3057.1	2614.6	2109.3	1507.8	1240.5	1165.4	1143.9	1093.8
-40°	3252.0	3153.6	2805.0	2416.5	1929.8	1390.5	1233.6	1165.4	1145.6	1105.7	1034.0
-42.5°	2766.3	2459.9	2080.6	1634.8	1273.7	1213.1	1161.8	1143.9	1105.7	1039.9	951.0
-45°	1962.8	1613.3	1282.3	1232.6	1179.3	1154.6	1138.5	1093.8	1034.0	951.0	859.3
-47.5°	1260.3	1221.5	1179.0	1157.4	1144.0	1121.4	1070.2	1014.8	934.6	851.8	771.5
-50°	1161.9	1152.3	1141.7	1122.5	1080.4	1035.4	973.6	901.9	829.2	756.6	680.2
-52.5°	1128.5	1098.3	1065.0	1028.8	976.5	916.9	854.0	792.0	727.1	657.4	584.2
-55°	1025.8	988.3	944.6	896.8	846.3	795.1	740.8	682.3	619.7	554.3	488.9
-57.5°	880.2	845.0	807.8	767.1	723.1	674.7	622.6	567.6	511.5	453.5	395.0
-60°	740.8	710.0	674.7	636.1	594.3	549.7	503.9	455.5	404.6	361.3	316.4
-62.5°	597.9	568.9	537.6	503.9	467.5	428.4	390.0	354.4	316.9	277.9	239.0
-65°	457.2	432.2	404.6	379.9	353.4	325.0	294.6	263.5	231.3	197.6	163.4
-67.5°	334.4	316.4	296.5	275.1	252.7	228.5	202.8	175.5	150.8	126.6	101.3
-70°	224.8	209.8	193.1	174.9	157.5	140.5	122.2	102.9	82.5	68.8	58.5
-72.5°	127.5	117.1	105.5	92.8	79.0	70.3	63.0	55.2	47.0	38.3	32.0
-75°	59.8	55.7	51.2	46.2	40.8	34.9	31.8	29.9	27.8	25.7	23.4
-77.5°	29.3	28.3	27.2	26.0	24.7	23.3	21.8	20.4	19.4	18.3	17.2
-80°	18.9	18.5	17.9	17.4	16.8	16.1	15.4	14.6	13.8	13.2	12.7
-82.5°	12.7	12.5	12.2	12.0	11.7	11.5	11.2	10.8	10.5	10.2	9.8
-85°	8.9	8.8	8.7	8.6	8.5	8.3	8.2	8.0	7.8	7.7	7.5
-87.5°	5.8	5.7	5.6	5.5	5.4	5.2	5.1	4.9	4.7	4.6	4.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1305342 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320L-40-70-2S-HEG-A

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.2	4.0	3.8	3.6	3.3	3.1	2.9	2.6	2.4	2.1	1.9
85°	7.3	7.1	6.9	6.7	6.4	6.2	5.7	5.2	4.7	4.2	3.7
82.5°	9.4	9.1	8.8	8.4	8.1	7.7	7.4	7.0	6.7	6.3	5.6
80°	12.1	11.6	11.1	10.5	9.9	9.3	8.8	8.3	7.8	7.3	6.8
77.5°	16.1	14.9	13.6	12.8	12.1	11.3	10.5	9.7	9.0	8.4	7.7
75°	21.0	19.5	18.0	16.4	14.8	13.3	12.4	11.4	10.4	9.4	8.6
72.5°	29.2	26.4	23.4	20.5	18.7	16.8	14.8	13.1	11.9	10.8	9.6
70°	47.7	36.5	30.7	27.2	23.6	20.3	18.0	15.8	13.5	12.1	10.8
67.5°	75.2	62.6	49.6	36.1	30.0	25.8	21.6	18.7	16.1	13.5	11.9
65°	134.0	103.6	73.9	59.0	43.7	31.6	26.9	22.1	18.7	15.8	13.1
62.5°	198.6	158.9	124.3	88.7	64.7	47.5	32.2	26.9	21.6	18.0	14.8
60°	270.5	224.8	177.6	136.8	97.0	66.6	47.5	31.6	25.8	20.3	16.8
57.5°	344.5	292.2	240.6	188.2	141.0	97.0	64.7	43.7	30.0	23.6	18.7
55°	421.2	361.4	303.4	245.9	188.2	136.8	88.7	59.0	36.1	27.2	20.5
52.5°	510.3	435.4	367.1	303.4	240.6	177.6	124.3	73.9	49.6	30.7	23.4
50°	599.3	517.5	435.4	361.4	292.2	224.8	158.9	103.6	62.6	36.5	26.4
47.5°	687.9	599.3	510.3	421.2	344.5	270.5	198.6	134.0	75.2	47.7	29.2
45°	771.5	680.2	584.2	488.9	395.0	316.4	239.0	163.4	101.3	58.5	32.0
42.5°	851.8	756.6	657.4	554.3	453.5	361.3	277.9	197.6	126.6	68.8	38.3
40°	934.6	829.2	727.1	619.7	511.5	404.6	316.9	231.3	150.8	82.5	47.0
37.5°	1014.8	901.9	792.0	682.3	567.6	455.5	354.4	263.5	175.5	102.9	55.2
35°	1070.2	973.6	854.0	740.8	622.6	503.9	390.0	294.6	202.8	122.2	63.0
32.5°	1121.4	1035.4	916.9	795.1	674.7	549.7	428.4	325.0	228.5	140.5	70.3
30°	1144.0	1080.4	976.5	846.3	723.1	594.3	467.5	353.4	252.7	157.5	79.0
27.5°	1157.4	1122.5	1028.8	896.8	767.1	636.1	503.9	379.9	275.1	174.9	92.8
25°	1179.0	1141.7	1065.0	944.6	807.8	674.7	537.6	404.6	296.5	193.1	105.5
22.5°	1221.5	1152.3	1098.3	988.3	845.0	710.0	568.9	432.2	316.4	209.8	117.1
20°	1260.3	1161.9	1128.5	1025.8	880.2	740.8	597.9	457.2	334.4	224.8	127.5
17.5°	1336.5	1181.6	1139.8	1050.5	912.6	768.1	623.6	479.4	350.3	238.1	136.8
15°	1591.3	1209.7	1146.8	1072.2	940.9	792.0	646.1	498.8	364.3	249.7	144.9
12.5°	1809.5	1233.8	1152.7	1090.7	965.0	812.4	665.3	515.3	376.1	259.6	151.8
10°	1990.0	1253.7	1157.6	1105.9	984.9	829.2	681.1	528.9	385.9	267.8	157.4
7.5°	2131.6	1269.2	1161.4	1117.9	1000.5	842.3	693.4	539.5	393.5	274.1	161.8
5°	2233.4	1280.4	1164.2	1126.4	1011.6	851.8	702.2	547.1	398.9	278.7	165.0
2.5°	2294.7	1287.1	1165.8	1131.6	1018.4	857.4	707.5	551.7	402.2	281.4	166.9
0°	2315.2	1289.4	1166.4	1133.3	1020.6	859.3	709.3	553.2	403.3	282.3	167.5
-2.5°	2294.7	1287.1	1165.8	1131.6	1018.4	857.4	707.5	551.7	402.2	281.4	166.9
-5°	2233.4	1280.4	1164.2	1126.4	1011.6	851.8	702.2	547.1	398.9	278.7	165.0
-7.5°	2131.6	1269.2	1161.4	1117.9	1000.5	842.3	693.4	539.5	393.5	274.1	161.8
-10°	1990.0	1253.7	1157.6	1105.9	984.9	829.2	681.1	528.9	385.9	267.8	157.4
-12.5°	1809.5	1233.8	1152.7	1090.7	965.0	812.4	665.3	515.3	376.1	259.6	151.8
-15°	1591.3	1209.7	1146.8	1072.2	940.9	792.0	646.1	498.8	364.3	249.7	144.9
-17.5°	1336.5	1181.6	1139.8	1050.5	912.6	768.1	623.6	479.4	350.3	238.1	136.8
-20°	1260.3	1161.9	1128.5	1025.8	880.2	740.8	597.9	457.2	334.4	224.8	127.5



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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°	1221.5	1152.3	1098.3	988.3	845.0	710.0	568.9	432.2	316.4	209.8	117.1
-25°	1179.0	1141.7	1065.0	944.6	807.8	674.7	537.6	404.6	296.5	193.1	105.5
-27.5°	1157.4	1122.5	1028.8	896.8	767.1	636.1	503.9	379.9	275.1	174.9	92.8
-30°	1144.0	1080.4	976.5	846.3	723.1	594.3	467.5	353.4	252.7	157.5	79.0
-32.5°	1121.4	1035.4	916.9	795.1	674.7	549.7	428.4	325.0	228.5	140.5	70.3
-35°	1070.2	973.6	854.0	740.8	622.6	503.9	390.0	294.6	202.8	122.2	63.0
-37.5°	1014.8	901.9	792.0	682.3	567.6	455.5	354.4	263.5	175.5	102.9	55.2
-40°	934.6	829.2	727.1	619.7	511.5	404.6	316.9	231.3	150.8	82.5	47.0
-42.5°	851.8	756.6	657.4	554.3	453.5	361.3	277.9	197.6	126.6	68.8	38.3
-45°	771.5	680.2	584.2	488.9	395.0	316.4	239.0	163.4	101.3	58.5	32.0
-47.5°	687.9	599.3	510.3	421.2	344.5	270.5	198.6	134.0	75.2	47.7	29.2
-50°	599.3	517.5	435.4	361.4	292.2	224.8	158.9	103.6	62.6	36.5	26.4
-52.5°	510.3	435.4	367.1	303.4	240.6	177.6	124.3	73.9	49.6	30.7	23.4
-55°	421.2	361.4	303.4	245.9	188.2	136.8	88.7	59.0	36.1	27.2	20.5
-57.5°	344.5	292.2	240.6	188.2	141.0	97.0	64.7	43.7	30.0	23.6	18.7
-60°	270.5	224.8	177.6	136.8	97.0	66.6	47.5	31.6	25.8	20.3	16.8
-62.5°	198.6	158.9	124.3	88.7	64.7	47.5	32.2	26.9	21.6	18.0	14.8
-65°	134.0	103.6	73.9	59.0	43.7	31.6	26.9	22.1	18.7	15.8	13.1
-67.5°	75.2	62.6	49.6	36.1	30.0	25.8	21.6	18.7	16.1	13.5	11.9
-70°	47.7	36.5	30.7	27.2	23.6	20.3	18.0	15.8	13.5	12.1	10.8
-72.5°	29.2	26.4	23.4	20.5	18.7	16.8	14.8	13.1	11.9	10.8	9.6
-75°	21.0	19.5	18.0	16.4	14.8	13.3	12.4	11.4	10.4	9.4	8.6
-77.5°	16.1	14.9	13.6	12.8	12.1	11.3	10.5	9.7	9.0	8.4	7.7
-80°	12.1	11.6	11.1	10.5	9.9	9.3	8.8	8.3	7.8	7.3	6.8
-82.5°	9.4	9.1	8.8	8.4	8.1	7.7	7.4	7.0	6.7	6.3	5.6
-85°	7.3	7.1	6.9	6.7	6.4	6.2	5.7	5.2	4.7	4.2	3.7
-87.5°	4.2	4.0	3.8	3.6	3.3	3.1	2.9	2.6	2.4	2.1	1.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.6	1.3	1.1	0.8	0.5	0.3	0.0
85°	3.2	2.7	2.2	1.6	1.1	0.5	0.0
82.5°	4.8	4.0	3.2	2.4	1.6	0.8	0.0
80°	6.3	5.3	4.3	3.2	2.2	1.1	0.0
77.5°	7.1	6.4	5.3	4.0	2.7	1.3	0.0
75°	7.9	7.1	6.3	4.8	3.2	1.6	0.0
72.5°	8.6	7.7	6.8	5.6	3.7	1.9	0.0
70°	9.4	8.4	7.3	6.3	4.2	2.1	0.0
67.5°	10.4	9.0	7.8	6.7	4.7	2.4	0.0
65°	11.4	9.7	8.3	7.0	5.2	2.6	0.0
62.5°	12.4	10.5	8.8	7.4	5.7	2.9	0.0
60°	13.3	11.3	9.3	7.7	6.2	3.1	0.0
57.5°	14.8	12.1	9.9	8.1	6.4	3.3	0.0
55°	16.4	12.8	10.5	8.4	6.7	3.6	0.0
52.5°	18.0	13.6	11.1	8.8	6.9	3.8	0.0
50°	19.5	14.9	11.6	9.1	7.1	4.0	0.0
47.5°	21.0	16.1	12.1	9.4	7.3	4.2	0.0
45°	23.4	17.2	12.7	9.8	7.5	4.4	0.0
42.5°	25.7	18.3	13.2	10.2	7.7	4.6	0.0
40°	27.8	19.4	13.8	10.5	7.8	4.7	0.0
37.5°	29.9	20.4	14.6	10.8	8.0	4.9	0.0
35°	31.8	21.8	15.4	11.2	8.2	5.1	0.0
32.5°	34.9	23.3	16.1	11.5	8.3	5.2	0.0
30°	40.8	24.7	16.8	11.7	8.5	5.4	0.0
27.5°	46.2	26.0	17.4	12.0	8.6	5.5	0.0
25°	51.2	27.2	17.9	12.2	8.7	5.6	0.0
22.5°	55.7	28.3	18.5	12.5	8.8	5.7	0.0
20°	59.8	29.3	18.9	12.7	8.9	5.8	0.0
17.5°	63.5	30.2	19.3	12.8	9.0	5.9	0.0
15°	66.6	31.0	19.7	13.0	9.1	6.0	0.0
12.5°	69.3	31.6	20.0	13.1	9.2	6.1	0.0
10°	71.5	32.1	20.3	13.2	9.2	6.1	0.0
7.5°	73.3	32.6	20.4	13.3	9.2	6.1	0.0
5°	74.5	32.9	20.6	13.4	9.3	6.2	0.0
2.5°	75.3	33.0	20.7	13.4	9.3	6.2	0.0
0°	75.5	33.1	20.7	13.4	9.3	6.2	0.0
-2.5°	75.3	33.0	20.7	13.4	9.3	6.2	0.0
-5°	74.5	32.9	20.6	13.4	9.3	6.2	0.0
-7.5°	73.3	32.6	20.4	13.3	9.2	6.1	0.0
-10°	71.5	32.1	20.3	13.2	9.2	6.1	0.0
-12.5°	69.3	31.6	20.0	13.1	9.2	6.1	0.0
-15°	66.6	31.0	19.7	13.0	9.1	6.0	0.0
-17.5°	63.5	30.2	19.3	12.8	9.0	5.9	0.0
-20°	59.8	29.3	18.9	12.7	8.9	5.8	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	55.7	28.3	18.5	12.5	8.8	5.7	0.0
-25°	51.2	27.2	17.9	12.2	8.7	5.6	0.0
-27.5°	46.2	26.0	17.4	12.0	8.6	5.5	0.0
-30°	40.8	24.7	16.8	11.7	8.5	5.4	0.0
-32.5°	34.9	23.3	16.1	11.5	8.3	5.2	0.0
-35°	31.8	21.8	15.4	11.2	8.2	5.1	0.0
-37.5°	29.9	20.4	14.6	10.8	8.0	4.9	0.0
-40°	27.8	19.4	13.8	10.5	7.8	4.7	0.0
-42.5°	25.7	18.3	13.2	10.2	7.7	4.6	0.0
-45°	23.4	17.2	12.7	9.8	7.5	4.4	0.0
-47.5°	21.0	16.1	12.1	9.4	7.3	4.2	0.0
-50°	19.5	14.9	11.6	9.1	7.1	4.0	0.0
-52.5°	18.0	13.6	11.1	8.8	6.9	3.8	0.0
-55°	16.4	12.8	10.5	8.4	6.7	3.6	0.0
-57.5°	14.8	12.1	9.9	8.1	6.4	3.3	0.0
-60°	13.3	11.3	9.3	7.7	6.2	3.1	0.0
-62.5°	12.4	10.5	8.8	7.4	5.7	2.9	0.0
-65°	11.4	9.7	8.3	7.0	5.2	2.6	0.0
-67.5°	10.4	9.0	7.8	6.7	4.7	2.4	0.0
-70°	9.4	8.4	7.3	6.3	4.2	2.1	0.0
-72.5°	8.6	7.7	6.8	5.6	3.7	1.9	0.0
-75°	7.9	7.1	6.3	4.8	3.2	1.6	0.0
-77.5°	7.1	6.4	5.3	4.0	2.7	1.3	0.0
-80°	6.3	5.3	4.3	3.2	2.2	1.1	0.0
-82.5°	4.8	4.0	3.2	2.4	1.6	0.8	0.0
-85°	3.2	2.7	2.2	1.6	1.1	0.5	0.0
-87.5°	1.6	1.3	1.1	0.8	0.5	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)