

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

Brand: EPHESUS

Report Number: P1212078 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS12-1000R-40-70-4S-ECV**

Issue Date: 11/14/2025

Test Information

Test Method: LM-79-08
Report Number: P1212078 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2509-549-28)
Test Lab: INNOVATION CENTER
Issue Date: 11/14/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: EPHESUS
Catalog Number: EPH-LS12-1000R-40-70-4S-ECV
Description: EPHESUS LS12 LUMINAIRE
(12) 4000K, 70 CRI LEDS AND 4S BEAM SHAPE WITH EXTREME CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

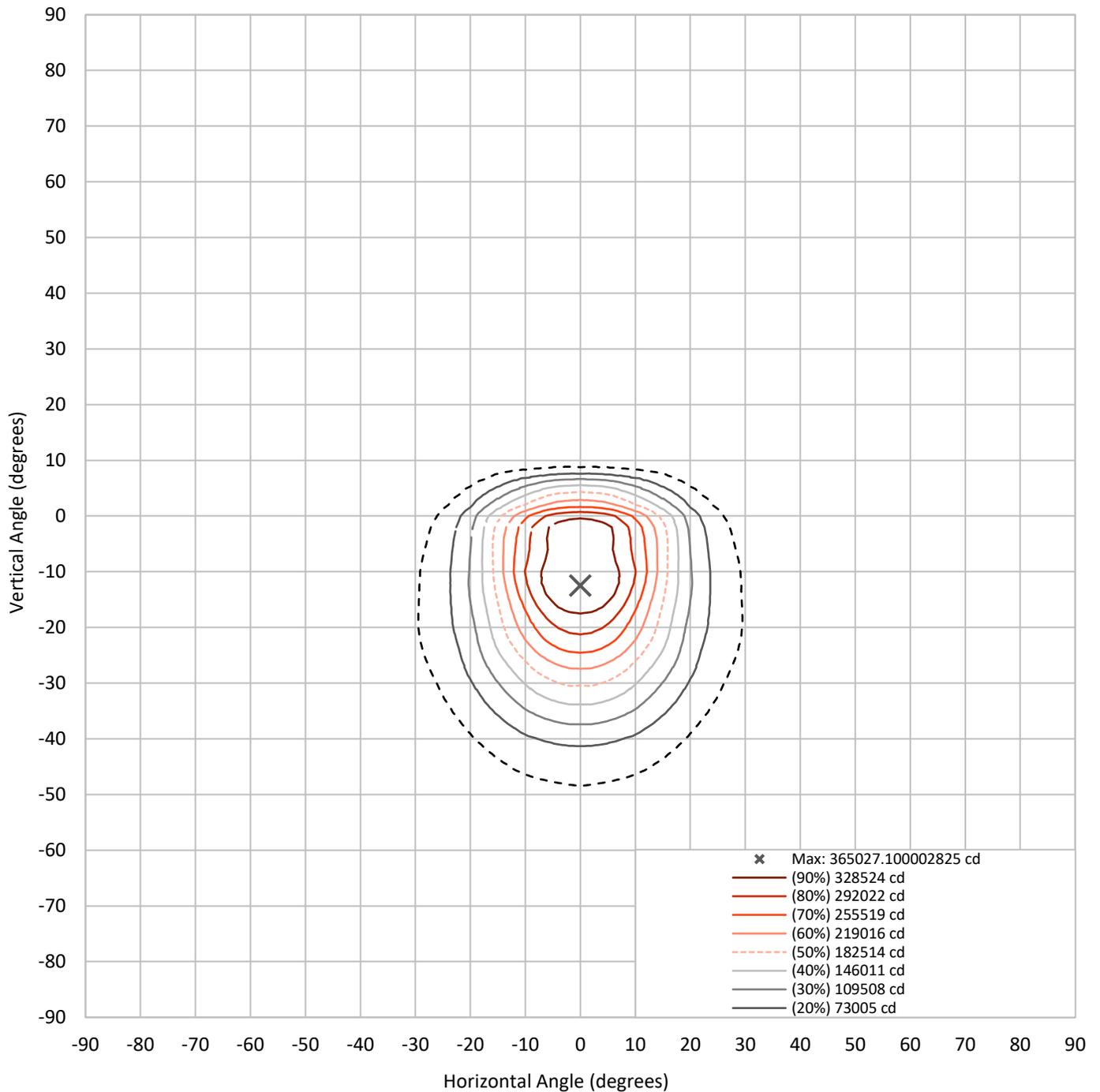
Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	137826.1 lumens	Max Intensity:	365027.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -12.5°V
Efficacy:	132.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.83' x L: 0.79' x H: 0')		
Beam Angle (50%):	31.2°H x 35°V	Field Angle (10%):	58.5°H x 57.2°V
Beam Lumens:	73959.1 lumens	Field Lumens:	122865.8 lumens
Beam Efficiency:	53.7%	Field Efficiency:	89.1%

Input Watts (W): 1041
Input Voltage (V): NR
Input Current (A_{in}): 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





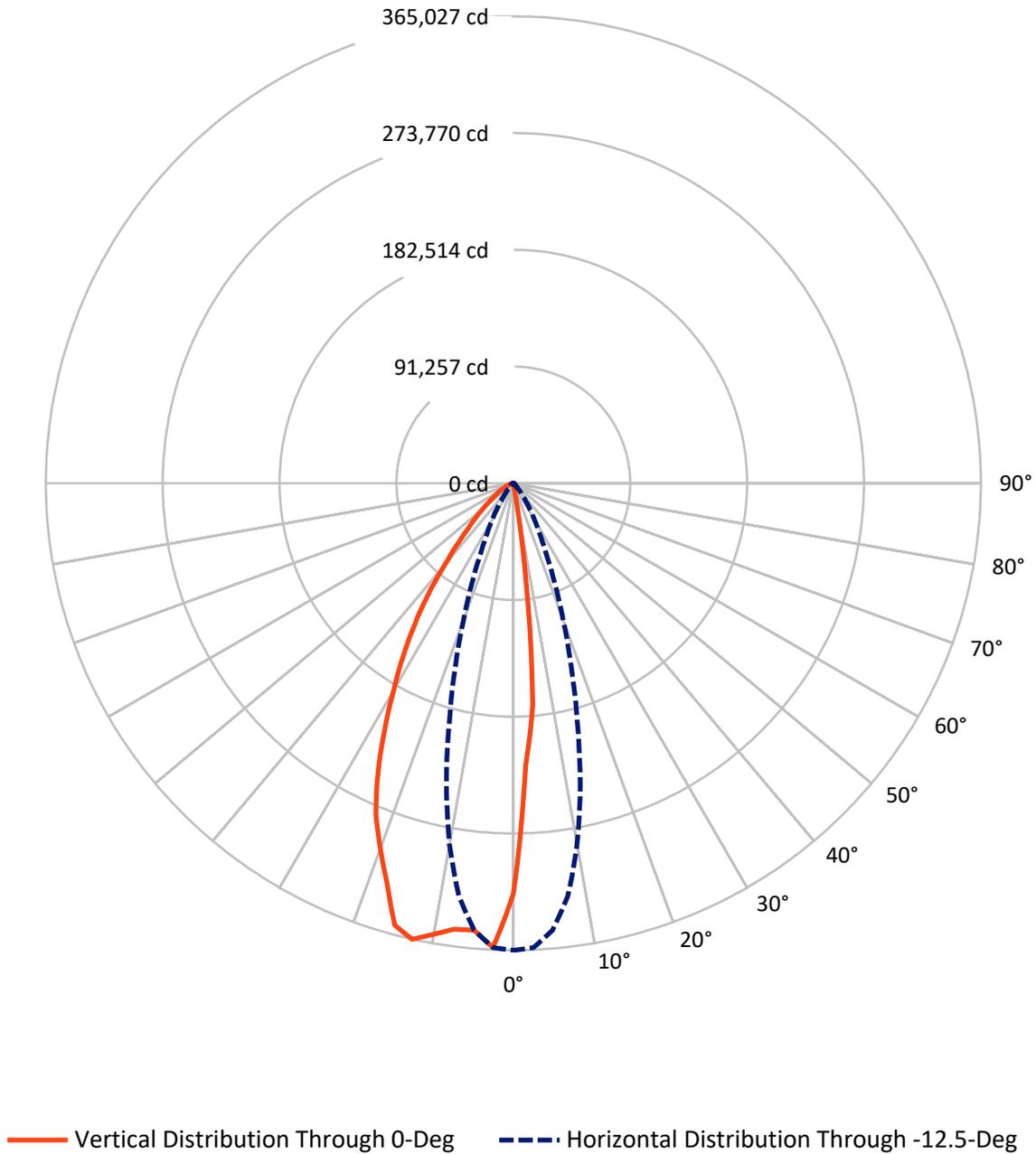
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Lumen Table

90	2.4	6.2		7.3		6.0		4.4		6.0		7.3		6.2		2.4			
80	2.4	6.2		7.3		6.0		4.4		6.0		7.3		6.2		2.4			
70	2.3	1.3	1.5	1.6	1.4	1.1	0.7	0.2	0.2	0.7	1.1	1.4	1.6	1.5	1.3	2.3			
60		1.3	1.6	1.7	1.6	1.2	0.8	0.3	0.3	0.8	1.2	1.6	1.7	1.6	1.3				
50	2.4	1.4	1.7	1.8	1.7	1.4	0.9	0.3	0.3	0.9	1.4	1.7	1.8	1.7	1.4	2.4			
40		1.4	1.8	2.0	2.0	1.7	1.2	0.4	0.4	1.2	1.7	2.0	2.0	1.8	1.4				
30	2.6	1.5	1.9	2.3	2.5	2.5	1.7	0.6	0.6	1.7	2.5	2.5	2.3	1.9	1.5	2.6			
20		1.7	2.6	3.8	5.3	12.0	21.9	21.0	21.0	21.9	12.0	5.3	3.8	2.6	1.7				
10	3.1	2.2	5.3	16.0	96.7	578.5	2356.2	4358.0	4358.0	2356.2	578.5	96.7	16.0	5.3	2.2	3.1			
0		3.8	15.5	54.2	350.7	1639.7	5736.6	9945.1	9945.1	5736.6	1639.7	350.7	54.2	15.5	3.8				
-10	4.0	6.3	26.8	82.2	449.0	1791.0	5468.7	9714.3	9714.3	5468.7	1791.0	449.0	82.2	26.8	6.3	4.0			
-20		8.2	33.2	91.3	382.2	1493.0	4103.6	6967.6	6967.6	4103.6	1493.0	382.2	91.3	33.2	8.2				
-30	4.7	8.6	34.5	90.7	260.5	879.2	2309.4	3804.1	3804.1	2309.4	879.2	260.5	90.7	34.5	8.6	4.7			
-40		7.7	29.9	79.8	180.5	445.6	979.7	1488.4	1488.4	979.7	445.6	180.5	79.8	29.9	7.7				
-50	4.5	6.2	20.4	56.6	122.1	238.4	421.5	572.4	572.4	421.5	238.4	122.1	56.6	20.4	6.2	4.5			
-60		4.8	11.5	29.6	63.0	113.3	181.2	230.3	230.3	181.2	113.3	63.0	29.6	11.5	4.8				
-70	4.0	4.0	18.9		53.4		131.3		189.8		131.3		53.4		18.9		4.0		
-80		4.0	18.9		53.4		131.3		189.8		131.3		53.4		18.9				
-90	4.0	18.9		53.4		131.3		189.8		131.3		53.4		18.9		4.0			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

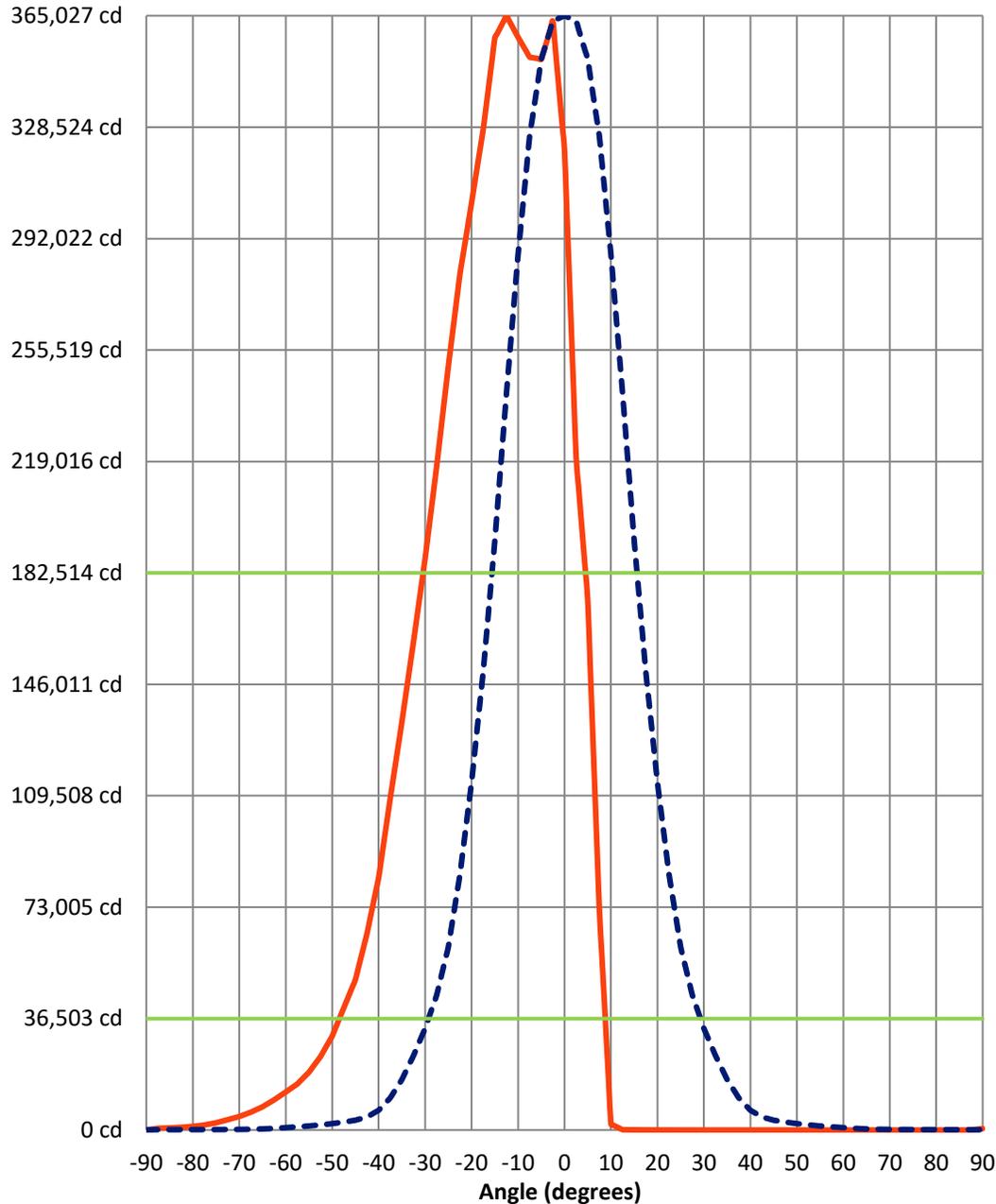
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CATALOG NUMBER: EPH-LS12-1000R-40-70-4S-ECV

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 31.2°
 V Angle: 35°
 Lumens: 73959.1
 Efficiency: 53.7%

Field:
 H Angle: 58.5°
 V Angle: 57.2°
 Lumens: 122865.8
 Efficiency: 89.1%

Spill:
 Lumens: 14960.3
 Efficiency: 10.9%

— Vertical Distribution through 0-Deg
 - - Horizontal Distribution through -12.5-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°	120.0	130.5	141.0	153.2	165.5	177.7	190.0	205.2	220.5	235.7	251.0
87.5°	120.0	117.6	115.0	113.3	111.5	109.8	108.0	105.5	103.0	100.5	98.0
85°	120.0	117.6	115.0	113.3	111.5	109.8	108.0	105.6	103.1	100.6	98.1
82.5°	120.0	117.7	115.0	113.3	111.6	109.8	108.1	105.6	103.2	100.7	98.2
80°	120.0	117.8	115.1	113.3	111.6	109.9	108.2	105.9	103.5	101.0	98.4
77.5°	120.0	117.9	115.1	113.4	111.7	110.0	108.5	106.3	103.8	101.3	98.6
75°	120.0	118.0	115.2	113.4	111.7	110.2	108.9	106.7	104.2	101.5	98.8
72.5°	120.0	118.1	115.3	113.5	111.9	110.5	109.2	107.1	104.4	101.8	99.1
70°	120.0	118.2	115.4	113.6	112.1	110.7	109.5	107.3	104.7	102.1	99.5
67.5°	120.0	118.3	115.6	113.7	112.2	111.0	109.7	107.6	105.1	102.5	99.9
65°	120.0	118.4	115.7	113.8	112.4	111.2	109.8	108.0	105.4	102.9	100.3
62.5°	120.0	118.6	115.9	113.9	112.6	111.3	110.0	108.3	105.8	103.3	100.8
60°	120.0	118.7	116.1	114.0	112.8	111.5	110.2	108.7	106.3	103.8	101.3
57.5°	120.0	118.8	116.3	114.1	112.9	111.6	110.4	109.1	106.7	104.3	101.9
55°	120.0	119.0	116.5	114.3	113.1	111.8	110.7	109.4	107.2	104.9	102.5
52.5°	120.0	119.1	116.8	114.4	113.2	112.0	111.0	109.7	107.8	105.5	103.2
50°	120.0	119.3	117.1	114.5	113.4	112.3	111.3	110.1	108.4	106.1	103.9
47.5°	120.0	119.4	117.5	114.7	113.6	112.6	111.7	110.6	109.0	106.8	104.6
45°	120.0	119.6	117.8	114.8	113.7	113.0	112.2	111.1	109.6	107.5	105.4
42.5°	120.0	119.8	118.2	115.0	113.9	113.3	112.7	111.8	110.3	108.3	106.7
40°	120.0	120.0	118.6	115.4	114.2	113.7	113.3	112.4	111.1	109.1	108.1
37.5°	120.0	120.1	119.0	116.1	114.5	114.1	113.9	113.2	112.1	110.4	109.6
35°	120.0	120.3	119.5	116.8	114.8	114.6	114.5	113.9	113.2	112.2	110.9
32.5°	120.0	120.5	120.0	117.6	115.1	115.1	115.2	114.8	114.4	114.0	112.4
30°	120.0	120.7	120.5	118.4	115.4	115.6	115.9	115.7	115.8	115.9	114.2
27.5°	120.0	120.9	121.0	119.3	116.8	116.2	116.6	116.9	117.4	117.9	116.2
25°	120.0	121.1	121.5	120.1	118.4	116.8	117.4	118.1	119.1	119.8	118.5
22.5°	120.0	121.3	122.0	121.1	120.1	117.9	118.2	119.4	120.9	121.8	121.4
20°	120.0	121.5	122.6	122.0	121.8	120.5	119.0	120.7	122.6	123.9	124.5
17.5°	120.0	121.7	123.1	123.0	123.6	123.2	121.6	122.1	124.4	126.1	127.7
15°	120.0	121.9	123.7	124.0	125.5	126.0	125.4	125.1	126.2	128.4	131.1
12.5°	120.0	122.1	124.2	125.0	127.4	128.8	129.3	130.2	130.8	130.8	134.5
10°	120.0	122.3	124.8	126.0	129.3	131.7	133.2	135.4	137.6	138.9	140.6
7.5°	120.0	122.5	125.4	127.0	131.3	134.5	137.2	140.6	144.4	147.9	152.4
5°	120.0	122.6	125.9	128.0	133.2	137.4	141.1	145.8	151.3	156.9	164.3
2.5°	120.0	122.8	126.5	129.0	135.1	140.2	145.1	150.9	158.2	166.0	176.2
0°	120.0	123.0	127.0	130.0	137.0	143.0	149.0	156.0	165.0	175.0	188.0
-2.5°	120.0	123.5	128.1	132.0	139.9	147.0	154.2	162.7	175.3	193.5	226.8
-5°	120.0	124.0	129.2	134.0	142.7	150.8	159.3	169.3	185.3	211.4	264.2
-7.5°	120.0	124.5	130.2	136.0	145.4	154.6	164.2	175.7	194.8	228.2	298.9
-10°	120.0	124.9	131.2	137.9	148.1	158.3	169.1	181.9	203.8	243.7	329.7
-12.5°	120.0	125.4	132.2	139.8	150.7	161.9	173.7	187.8	212.1	261.0	378.1
-15°	120.0	125.9	133.2	141.6	153.1	165.3	178.2	193.5	227.5	301.2	431.5
-17.5°	120.0	126.3	134.1	143.3	155.5	168.5	182.4	204.4	251.1	336.5	478.4
-20°	120.0	126.7	135.0	144.9	157.7	171.6	188.5	218.8	271.8	366.1	517.7



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 CATALOG NUMBER: EPH-LS12-1000R-40-70-4S-ECV

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	120.0	127.1	135.9	146.4	159.9	174.5	197.1	231.6	289.1	389.4	548.9
-25°	120.0	127.5	136.7	147.8	161.8	178.9	204.9	242.7	302.8	405.8	571.4
-27.5°	120.0	127.9	137.5	149.1	163.7	183.6	211.7	252.1	312.5	417.8	590.5
-30°	120.0	128.3	138.2	150.3	165.5	187.9	217.5	259.4	321.7	429.1	599.6
-32.5°	120.0	128.6	138.9	151.4	168.0	191.6	222.2	266.0	330.1	434.5	598.2
-35°	120.0	129.0	139.5	152.3	170.2	194.7	226.3	271.3	335.5	433.8	585.8
-37.5°	120.0	129.3	140.1	153.1	172.1	197.3	229.8	274.9	338.0	427.0	582.4
-40°	120.0	129.5	140.6	153.8	173.6	199.4	232.5	276.7	337.3	423.5	575.7
-42.5°	120.0	129.8	141.1	154.5	174.9	201.0	234.2	276.8	336.3	422.9	558.7
-45°	120.0	130.0	141.5	155.3	176.0	202.0	235.0	276.2	334.3	417.3	534.6
-47.5°	120.0	130.3	141.9	156.0	176.9	202.5	235.0	275.9	329.9	406.4	520.6
-50°	120.0	130.5	142.2	156.7	177.5	202.5	234.5	274.3	323.5	397.6	499.8
-52.5°	120.0	130.6	142.5	157.4	177.8	201.9	233.4	271.6	318.0	384.7	473.4
-55°	120.0	130.8	142.7	157.9	177.9	201.6	231.6	267.8	311.9	367.8	451.4
-57.5°	120.0	130.9	142.8	158.3	177.7	201.1	228.9	264.0	303.9	354.7	424.6
-60°	120.0	131.0	142.9	158.5	177.3	200.3	225.8	259.0	294.8	341.4	397.9
-62.5°	120.0	131.1	143.0	158.6	177.2	199.1	223.9	253.3	287.7	325.9	377.8
-65°	120.0	131.2	143.1	158.6	176.8	197.5	221.6	247.8	279.7	314.6	355.1
-67.5°	120.0	131.2	143.1	158.4	176.3	196.1	218.8	244.0	271.0	303.9	338.8
-70°	120.0	131.2	143.1	158.1	175.5	194.6	215.6	239.7	265.3	292.5	325.0
-72.5°	120.0	131.2	143.0	157.8	174.5	193.0	212.9	234.9	259.1	284.6	311.4
-75°	120.0	131.2	142.8	157.4	173.4	191.0	210.0	230.7	252.4	276.3	301.2
-77.5°	120.0	131.1	142.6	157.0	172.4	188.9	206.8	226.6	247.1	268.1	290.4
-80°	120.0	131.0	142.4	156.4	171.2	186.8	203.2	222.2	241.7	261.5	281.7
-82.5°	120.0	130.9	142.1	155.7	170.0	184.8	200.2	217.8	235.9	254.6	273.6
-85°	120.0	130.8	141.8	155.0	168.6	182.6	196.9	213.9	231.0	248.3	265.7
-87.5°	120.0	130.7	141.4	154.2	167.1	180.2	193.6	209.7	225.9	242.1	258.5
-90°	120.0	117.5	115.0	113.3	111.5	109.8	108.0	105.5	103.0	100.5	98.0



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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°	259.5	268.0	276.5	285.0	289.3	293.5	297.8	302.0	308.5	315.0	321.5
87.5°	94.8	91.5	88.3	85.0	81.3	77.5	73.8	70.0	66.0	62.0	58.0
85°	94.9	91.6	88.4	85.1	81.4	77.7	73.9	70.2	66.2	62.2	58.2
82.5°	95.0	91.8	88.5	85.3	81.6	77.9	74.1	70.4	66.4	62.4	58.4
80°	95.2	92.0	88.8	85.5	81.9	78.1	74.4	70.7	66.7	62.7	58.7
77.5°	95.5	92.3	89.1	85.8	82.2	78.5	74.8	71.0	67.1	63.1	59.1
75°	95.8	92.6	89.4	86.2	82.7	79.0	75.2	71.5	67.6	63.6	59.5
72.5°	96.2	93.0	89.8	86.6	83.2	79.5	75.8	72.0	68.2	64.1	60.1
70°	96.6	93.5	90.3	87.2	83.8	80.1	76.4	72.7	68.8	64.8	60.8
67.5°	97.1	94.0	90.9	87.7	84.5	80.8	77.1	73.4	69.6	65.6	61.5
65°	97.7	94.6	91.5	88.4	85.2	81.6	77.9	74.2	70.5	66.3	62.0
62.5°	98.2	95.2	92.2	89.1	86.0	82.5	78.8	75.1	71.4	67.3	63.0
60°	98.8	96.0	92.9	89.9	86.8	83.5	79.8	76.2	72.4	68.5	64.2
57.5°	99.4	96.7	93.8	90.8	87.7	84.6	81.0	77.3	73.6	69.8	65.7
55°	100.1	97.6	94.7	91.7	88.7	85.6	82.2	78.5	74.8	71.0	67.0
52.5°	100.8	98.4	95.6	92.7	89.8	86.8	83.5	79.9	76.2	72.4	68.5
50°	101.6	99.4	96.7	93.8	91.0	88.1	84.9	81.3	77.7	73.9	70.1
47.5°	102.6	100.5	97.8	95.1	92.5	89.6	86.3	82.9	79.3	75.5	71.7
45°	103.9	101.6	98.9	96.8	94.1	91.0	87.9	84.6	81.0	77.4	73.7
42.5°	105.3	102.6	100.4	98.6	95.6	92.6	89.5	86.3	83.0	79.7	75.8
40°	106.3	103.6	102.0	99.9	97.2	94.3	91.3	88.3	85.7	82.1	78.1
37.5°	107.2	105.1	103.6	101.3	98.9	96.1	93.2	90.5	87.9	84.5	80.9
35°	108.1	106.7	104.9	102.8	100.6	98.0	95.3	92.9	90.4	87.5	84.0
32.5°	109.4	108.3	106.3	104.5	102.5	100.0	97.4	95.6	93.3	90.6	87.0
30°	111.4	109.7	107.9	106.4	104.5	102.4	100.3	98.8	96.4	93.8	91.3
27.5°	114.4	111.2	109.7	108.4	106.8	105.0	103.9	101.9	99.9	97.9	96.4
25°	117.8	115.4	111.6	110.5	109.4	108.4	107.7	106.1	104.2	102.8	101.7
22.5°	121.4	120.2	117.6	112.8	112.3	112.1	111.9	111.6	111.3	109.0	107.6
20°	125.5	125.7	124.7	121.9	117.0	115.9	116.4	118.4	120.8	121.1	117.6
17.5°	130.0	131.8	132.7	132.6	131.3	127.6	121.6	126.0	132.2	135.6	136.6
15°	134.7	138.2	141.3	144.3	148.0	152.9	155.3	147.8	145.5	152.8	159.8
12.5°	139.7	144.9	150.5	157.0	166.6	182.9	203.4	221.3	226.3	205.4	192.5
10°	144.8	151.9	160.0	170.3	186.5	216.7	258.1	306.4	354.7	417.3	495.4
7.5°	160.6	168.8	176.8	184.0	207.4	252.9	317.3	399.6	498.2	667.4	972.4
5°	178.4	197.0	233.5	270.4	310.8	362.3	426.5	499.7	650.5	941.2	1512.5
2.5°	196.3	225.6	292.4	370.7	468.8	586.2	741.2	936.5	1204.0	1841.9	2905.2
0°	214.0	254.0	351.0	471.0	627.0	810.0	1056.0	1374.0	1836.0	3041.0	5018.0
-2.5°	283.1	373.8	501.6	664.0	859.4	1090.0	1392.4	1780.8	2417.4	3973.8	6738.2
-5°	349.7	489.0	647.4	850.0	1083.5	1359.1	1713.5	2166.0	2968.0	4857.6	8211.3
-7.5°	411.8	595.9	786.3	1026.0	1299.8	1628.4	2038.8	2563.2	3521.3	5696.9	9364.2
-10°	471.8	698.2	923.1	1190.3	1505.5	1885.4	2343.7	2921.6	3965.4	6264.5	10131.3
-12.5°	552.5	796.6	1050.8	1341.0	1690.9	2114.6	2617.5	3233.6	4274.7	6501.2	10554.8
-15°	624.0	884.3	1166.7	1475.9	1852.5	2311.3	2856.0	3492.9	4452.8	6472.2	10665.5
-17.5°	684.8	960.0	1269.3	1593.3	1987.4	2471.6	3051.4	3704.5	4618.2	6495.0	10501.0
-20°	733.7	1022.9	1357.4	1691.8	2096.1	2593.0	3187.4	3883.5	4810.1	6442.2	9675.2



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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°	769.6	1071.8	1426.4	1779.6	2194.3	2685.7	3277.1	3989.7	4877.2	6114.7	9061.3
-25°	798.2	1109.4	1473.6	1857.8	2272.0	2749.8	3318.0	4025.9	4887.9	6399.2	9021.6
-27.5°	821.1	1128.9	1509.5	1916.9	2328.8	2793.4	3348.0	4028.2	5045.6	6505.0	8599.3
-30°	831.8	1140.8	1525.7	1952.1	2373.3	2834.0	3357.4	4065.4	5051.2	6457.4	8403.8
-32.5°	836.9	1139.6	1525.4	1952.5	2397.4	2850.5	3389.8	4091.8	4998.5	6195.3	7952.6
-35°	835.1	1139.5	1508.3	1929.1	2396.3	2863.1	3415.9	4069.7	4864.2	5945.9	7528.9
-37.5°	822.9	1122.0	1473.1	1886.6	2346.1	2859.9	3390.5	4018.4	4759.4	5675.6	7094.1
-40°	796.2	1087.2	1431.5	1828.5	2282.6	2807.4	3344.7	3924.4	4611.2	5513.5	6605.5
-42.5°	757.9	1041.6	1373.6	1750.5	2195.1	2699.7	3256.5	3814.5	4465.0	5267.4	6242.3
-45°	726.4	978.9	1296.9	1659.9	2076.8	2559.1	3094.4	3676.1	4292.6	4997.5	5838.9
-47.5°	682.3	906.9	1205.0	1542.7	1935.1	2385.4	2894.6	3457.4	4074.6	4722.8	5432.8
-50°	634.2	840.2	1091.0	1409.0	1770.2	2185.0	2655.7	3195.1	3771.5	4394.5	5055.7
-52.5°	599.9	759.5	986.4	1257.2	1588.8	1963.4	2403.4	2900.8	3434.3	3998.1	4646.4
-55°	557.7	697.9	872.7	1110.8	1392.5	1729.6	2133.9	2590.9	3073.1	3591.4	4174.6
-57.5°	518.3	633.9	775.9	961.6	1205.6	1487.0	1859.7	2262.1	2703.3	3167.9	3666.4
-60°	479.0	571.4	687.8	836.0	1015.8	1273.7	1575.1	1927.8	2316.0	2725.7	3163.5
-62.5°	438.0	514.0	605.6	719.8	868.6	1061.2	1321.1	1610.4	1916.5	2265.4	2639.1
-65°	408.3	458.4	530.9	621.8	723.7	893.2	1090.8	1310.1	1575.8	1845.6	2118.4
-67.5°	375.4	419.2	468.2	527.5	617.9	741.4	875.7	1058.9	1260.8	1473.3	1697.9
-70°	354.8	380.4	419.5	465.6	523.3	611.6	726.0	849.1	983.2	1143.7	1332.9
-72.5°	336.1	358.9	382.9	408.2	456.6	522.6	596.6	678.1	781.3	903.8	1033.3
-75°	320.4	336.9	357.4	379.2	409.3	447.5	492.3	555.7	630.0	712.1	797.8
-77.5°	307.1	322.1	337.3	352.6	373.2	402.1	434.5	470.2	516.4	567.9	621.8
-80°	294.9	307.0	320.5	334.3	350.5	368.7	388.2	409.1	439.7	476.7	518.3
-82.5°	285.3	296.4	307.6	318.7	330.0	341.9	354.8	369.9	393.3	418.9	445.6
-85°	275.8	285.7	295.8	306.0	314.8	323.9	333.4	343.1	358.7	375.2	392.3
-87.5°	267.7	276.9	286.1	295.2	301.5	307.9	314.4	321.0	331.2	341.7	352.3
-90°	94.8	91.5	88.3	85.0	81.3	77.5	73.8	70.0	66.0	62.0	58.0



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	328.0	337.5	347.0	356.5	366.0	378.3	390.5	402.8	415.0	427.5	440.0
87.5°	54.0	50.0	46.0	42.0	38.0	34.0	30.0	26.0	22.0	18.3	14.5
85°	54.2	50.2	46.2	42.1	38.1	34.1	30.1	26.1	22.1	18.3	14.6
82.5°	54.4	50.2	46.1	41.8	37.6	33.7	29.8	26.0	22.2	18.4	14.6
80°	54.7	50.5	46.4	42.3	38.2	34.3	30.3	26.4	22.4	18.5	14.7
77.5°	55.0	51.0	47.0	42.9	38.8	34.8	30.7	26.6	22.6	18.7	14.9
75°	55.5	51.4	47.3	43.1	38.8	34.7	30.7	26.7	22.8	18.9	15.0
72.5°	56.1	51.9	47.5	43.2	38.8	34.6	30.6	26.5	22.3	18.5	14.7
70°	56.7	52.5	48.2	43.7	39.3	35.1	30.9	26.7	22.5	18.6	14.9
67.5°	57.2	52.8	48.4	44.1	39.9	35.6	31.4	27.1	22.9	18.9	15.1
65°	57.6	53.2	49.0	44.8	40.6	36.3	32.1	28.0	23.9	19.9	15.9
62.5°	58.6	54.3	50.2	46.0	41.6	37.1	32.9	28.6	24.2	19.9	15.9
60°	60.1	56.1	51.8	47.2	42.6	38.0	33.5	29.0	24.5	20.1	16.1
57.5°	61.5	57.3	53.0	48.4	43.7	39.0	34.3	29.8	25.2	20.6	16.5
55°	62.8	58.6	54.3	49.6	44.9	40.1	35.3	30.7	26.0	21.2	17.0
52.5°	64.3	60.0	55.7	51.0	46.0	41.2	36.4	31.7	26.9	22.0	17.5
50°	65.9	61.5	56.8	51.8	47.3	42.6	37.7	32.8	27.8	22.8	18.1
47.5°	67.6	63.0	58.4	54.1	49.4	44.4	39.2	34.0	29.0	23.8	18.8
45°	69.5	65.1	60.8	56.2	51.3	46.1	40.8	35.5	30.2	24.9	19.6
42.5°	71.6	67.3	62.8	58.3	53.3	48.0	42.5	37.0	31.6	26.1	20.5
40°	74.1	69.7	65.5	60.7	55.1	49.5	44.4	38.9	33.2	27.4	21.5
37.5°	76.9	72.9	68.4	63.0	57.9	52.6	47.2	41.2	35.0	29.5	23.5
35°	80.0	76.2	71.5	67.1	62.1	56.4	50.7	45.1	38.9	33.2	26.8
32.5°	84.1	80.5	76.4	72.3	67.4	61.9	56.2	51.4	45.4	39.3	32.5
30°	89.1	85.6	82.1	78.4	73.9	69.2	64.9	60.0	54.9	48.4	38.5
27.5°	94.2	91.3	88.2	84.5	81.5	77.9	73.8	68.6	59.9	50.3	39.3
25°	100.0	97.7	94.2	91.7	89.6	86.6	80.3	72.2	59.7	47.4	36.3
22.5°	106.5	104.2	101.7	99.7	98.7	93.4	83.5	70.3	57.1	45.3	35.6
20°	113.3	111.1	113.5	114.3	108.3	102.1	86.8	72.1	60.0	52.1	44.7
17.5°	133.0	123.6	133.3	141.8	134.1	114.8	105.2	87.8	78.2	68.9	57.1
15°	169.0	180.2	182.8	180.2	178.6	163.7	139.1	134.9	123.3	115.1	103.3
12.5°	223.3	268.7	338.6	442.0	267.8	245.2	360.2	360.5	302.2	237.3	220.9
10°	542.6	388.5	666.1	1466.5	2780.0	3226.3	1252.1	3708.7	5508.4	8344.4	2684.3
7.5°	1567.5	2201.6	2855.4	3972.9	7395.1	12857.1	17358.5	23567.2	35808.0	45583.8	53127.2
5°	2788.6	4504.9	6940.0	10290.0	16763.6	26508.8	38794.2	57652.0	76142.1	99749.9	122425.3
2.5°	4864.6	7810.6	11730.1	17126.1	27020.5	41483.7	61022.9	90976.1	119348.2	145952.8	167636.0
0°	8054.0	13259.0	18367.0	28226.0	42722.0	64574.9	91894.9	132866.8	172113.8	212374.2	247641.7
-2.5°	10959.9	16077.6	23675.9	34926.5	52514.9	74365.0	105250.9	147703.8	198824.4	240452.9	281853.4
-5°	13300.5	19152.2	27622.4	38935.9	56025.9	77691.8	107756.8	150767.6	202040.1	243822.4	279982.8
-7.5°	14981.8	21791.4	30614.9	41836.0	58143.4	80823.9	111129.7	151496.2	199605.0	248221.6	285378.6
-10°	15976.8	23548.1	32556.1	44047.4	60277.5	83106.9	112111.9	150254.0	199695.7	248892.5	293329.5
-12.5°	16545.6	24376.7	33283.4	44251.9	59982.8	83743.5	113948.2	150209.3	193051.3	241309.0	286738.5
-15°	16774.9	24510.8	33374.3	45184.7	61195.0	81932.0	110417.4	144548.1	183557.8	227515.3	270010.9
-17.5°	16548.8	24207.5	34072.1	45983.3	60966.9	79205.5	105373.2	136161.3	174131.2	215315.1	250578.3
-20°	15679.1	24074.2	33984.7	45647.5	59678.2	76870.3	98596.8	129596.6	166113.8	202716.9	236065.7



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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°	14862.2	22818.8	32586.8	43682.6	56525.6	72238.0	93133.4	122837.9	156137.5	186378.7	217619.9
-25°	13411.2	20415.3	29792.4	40332.4	52119.7	66554.2	88064.9	113424.3	140382.8	165915.8	192527.7
-27.5°	12280.4	18078.8	25927.9	35778.8	46662.7	61354.3	80130.6	101776.1	124235.5	146611.0	169104.5
-30°	11116.6	15769.0	22403.7	30458.2	41467.6	54660.8	70033.7	88726.6	108474.8	128101.7	147875.3
-32.5°	10546.3	13999.0	18987.0	26037.4	35508.0	47027.6	59748.9	75899.3	93210.4	110595.9	127562.9
-35°	9756.1	12679.8	16299.3	22296.1	29681.8	39199.3	50575.6	63531.2	76999.0	91869.4	106787.0
-37.5°	8922.0	11327.6	14709.2	19147.4	25034.6	31857.3	41224.8	51931.4	62884.1	74280.1	86030.0
-40°	8152.2	10052.5	13062.7	16612.4	21123.0	26562.8	33590.7	41108.2	49376.6	58590.4	67444.2
-42.5°	7410.9	9182.9	11463.9	14387.2	17818.2	22465.0	27737.8	33206.5	39396.8	46129.8	52613.2
-45°	6840.9	8329.6	10105.5	12393.7	15175.5	18874.6	22993.2	27337.9	32005.0	36822.5	41207.2
-47.5°	6388.0	7556.3	9013.7	10682.4	12961.8	15780.8	18816.9	22148.7	25925.2	29665.7	32755.8
-50°	5908.6	6891.8	8047.5	9383.8	11211.9	13269.8	15475.8	18046.8	20900.6	23799.1	26026.6
-52.5°	5409.8	6255.1	7181.4	8314.2	9724.5	11263.5	12914.8	14856.1	16914.2	19018.0	20547.2
-55°	4847.0	5582.9	6368.1	7372.1	8461.5	9607.9	10861.5	12344.4	13856.5	15376.5	16401.1
-57.5°	4237.5	4867.0	5565.5	6390.9	7294.7	8265.2	9295.4	10378.6	11496.5	12594.8	13315.9
-60°	3623.3	4102.3	4699.2	5372.7	6080.6	6816.8	7706.0	8614.9	9514.5	10333.0	10901.2
-62.5°	3038.6	3458.2	3917.9	4416.0	4940.7	5516.3	6220.9	6944.4	7676.4	8321.7	8789.0
-65°	2419.3	2772.5	3170.3	3571.6	3973.9	4422.7	4944.2	5474.0	6006.0	6446.4	6761.5
-67.5°	1942.8	2193.9	2477.7	2775.2	3108.7	3469.3	3863.2	4258.1	4650.3	4967.6	5218.8
-70°	1525.8	1724.5	1930.2	2147.3	2389.4	2664.8	2969.2	3268.4	3560.6	3777.6	3945.9
-72.5°	1169.0	1315.4	1478.0	1655.6	1831.7	2028.9	2248.6	2474.5	2703.9	2878.9	3027.7
-75°	886.8	986.6	1106.1	1230.6	1358.9	1501.1	1649.5	1798.2	1945.8	2057.2	2155.4
-77.5°	686.9	762.9	841.4	920.6	1000.1	1088.9	1181.2	1274.0	1366.7	1433.4	1493.4
-80°	561.6	610.6	661.9	714.3	767.6	825.4	884.4	943.5	1002.5	1046.2	1087.3
-82.5°	473.4	506.1	540.2	574.9	610.2	648.8	687.9	727.0	766.1	795.0	822.6
-85°	409.9	432.0	454.7	477.8	501.2	527.7	554.5	581.4	608.2	629.5	650.3
-87.5°	363.1	377.6	392.3	407.2	422.1	439.8	457.6	475.4	493.1	509.2	525.1
-90°	54.0	50.0	46.0	42.0	38.0	34.0	30.0	26.0	22.0	18.5	15.0



REPORT NUMBER: P1212078 (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°
90°	452.5	465.0	468.5	472.0	468.5	465.0	452.5	440.0	427.5	415.0	402.8
87.5°	10.8	7.0	4.5	2.0	4.5	7.0	10.8	14.5	18.3	22.0	26.0
85°	10.8	7.0	4.5	2.0	4.5	7.0	10.8	14.6	18.3	22.1	26.1
82.5°	10.8	7.1	4.0	1.0	4.0	7.1	10.8	14.6	18.4	22.2	26.0
80°	10.9	7.1	4.5	2.0	4.5	7.1	10.9	14.7	18.5	22.4	26.4
77.5°	11.0	7.2	4.1	1.0	4.1	7.2	11.0	14.9	18.7	22.6	26.6
75°	11.1	7.3	4.1	1.0	4.1	7.3	11.1	15.0	18.9	22.8	26.7
72.5°	11.0	7.3	4.6	2.0	4.6	7.3	11.0	14.7	18.5	22.3	26.5
70°	11.2	7.4	4.2	1.0	4.2	7.4	11.2	14.9	18.6	22.5	26.7
67.5°	11.4	7.6	4.2	1.0	4.2	7.6	11.4	15.1	18.9	22.9	27.1
65°	11.9	7.8	4.3	1.0	4.3	7.8	11.9	15.9	19.9	23.9	28.0
62.5°	11.9	7.9	4.0	0.0	4.0	7.9	11.9	15.9	19.9	24.2	28.6
60°	12.1	8.1	4.0	0.0	4.0	8.1	12.1	16.1	20.1	24.5	29.0
57.5°	12.4	8.3	4.1	0.0	4.1	8.3	12.4	16.5	20.6	25.2	29.8
55°	12.8	8.5	4.3	0.0	4.3	8.5	12.8	17.0	21.2	26.0	30.7
52.5°	13.2	8.8	4.4	0.0	4.4	8.8	13.2	17.5	22.0	26.9	31.7
50°	13.7	9.1	4.6	0.0	4.6	9.1	13.7	18.1	22.8	27.8	32.8
47.5°	14.2	9.5	4.7	0.0	4.7	9.5	14.2	18.8	23.8	29.0	34.0
45°	14.8	9.9	4.9	0.0	4.9	9.9	14.8	19.6	24.9	30.2	35.5
42.5°	15.4	10.3	5.4	1.0	5.4	10.3	15.4	20.5	26.1	31.6	37.0
40°	16.2	10.9	5.4	0.0	5.4	10.9	16.2	21.5	27.4	33.2	38.9
37.5°	17.6	11.7	5.7	0.0	5.7	11.7	17.6	23.5	29.5	35.0	41.2
35°	20.0	13.2	6.2	1.0	6.2	13.2	20.0	26.8	33.2	38.9	45.1
32.5°	24.5	16.7	8.3	0.0	8.3	16.7	24.5	32.5	39.3	45.4	51.4
30°	29.5	19.6	9.0	0.0	9.0	19.6	29.5	38.5	48.4	54.9	60.0
27.5°	28.8	18.0	7.8	0.0	7.8	18.0	28.8	39.3	50.3	59.9	68.6
25°	26.6	18.0	10.1	5.0	10.1	18.0	26.6	36.3	47.4	59.7	72.2
22.5°	28.9	21.2	14.5	12.0	14.5	21.2	28.9	35.6	45.3	57.1	70.3
20°	36.3	27.9	21.9	18.0	21.9	27.9	36.3	44.7	52.1	60.0	72.1
17.5°	52.8	43.7	34.7	31.0	34.7	43.7	52.8	57.1	68.9	78.2	87.8
15°	94.9	84.5	74.0	69.0	74.0	84.5	94.9	103.3	115.1	123.3	134.9
12.5°	171.6	151.7	134.2	122.5	134.2	151.7	171.6	220.9	237.3	302.2	360.5
10°	6496.3	5774.2	5142.0	1937.0	5142.0	5774.2	6496.3	2684.3	8344.4	5508.4	3708.7
7.5°	58826.7	66305.5	73117.1	72328.4	73117.1	66305.5	58826.7	53127.2	45583.8	35808.0	23567.2
5°	141638.8	163890.9	166383.7	173588.8	166383.7	163890.9	141638.8	122425.3	99749.9	76142.1	57652.0
2.5°	191693.4	211179.4	218212.2	220613.3	218212.2	211179.4	191693.4	167636.0	145952.8	119348.2	90976.1
0°	279305.2	306506.6	317661.1	320981.6	317661.1	306506.6	279305.2	247641.7	212374.2	172113.8	132866.8
-2.5°	316555.5	345479.1	358794.2	363139.6	358794.2	345479.1	316555.5	281853.4	240452.9	198824.4	147703.8
-5°	311779.2	335501.8	346785.5	350783.6	346785.5	335501.8	311779.2	279982.8	243822.4	202040.1	150767.6
-7.5°	317922.3	338883.6	348355.7	351469.6	348355.7	338883.6	317922.3	285378.6	248221.6	199605.0	151496.2
-10°	325606.3	347989.8	357877.6	357990.6	357877.6	347989.8	325606.3	293329.5	248892.5	199695.7	150254.0
-12.5°	325610.2	350725.8	363302.3	365027.1	363302.3	350725.8	325610.2	286738.5	241309.0	193051.3	150209.3
-15°	308304.5	336246.5	352739.6	357647.6	352739.6	336246.5	308304.5	270010.9	227515.3	183557.8	144548.1
-17.5°	285137.3	311393.1	324503.1	327786.6	324503.1	311393.1	285137.3	250578.3	215315.1	174131.2	136161.3
-20°	264556.6	288510.9	299932.2	303760.7	299932.2	288510.9	264556.6	236065.7	202716.9	166113.8	129596.6



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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°	244261.2	265700.7	277890.7	280420.7	277890.7	265700.7	244261.2	217619.9	186378.7	156137.5	122837.9
-25°	218147.6	236405.7	247697.9	250215.7	247697.9	236405.7	218147.6	192527.7	165915.8	140382.8	113424.3
-27.5°	190558.3	205087.2	216242.1	217563.8	216242.1	205087.2	190558.3	169104.5	146611.0	124235.5	101776.1
-30°	166282.7	178034.4	188260.0	187218.8	188260.0	178034.4	166282.7	147875.3	128101.7	108474.8	88726.6
-32.5°	142536.8	152435.3	160397.9	159962.8	160397.9	152435.3	142536.8	127562.9	110595.9	93210.4	75899.3
-35°	118749.9	127083.2	133236.1	133696.8	133236.1	127083.2	118749.9	106787.0	91869.4	76999.0	63531.2
-37.5°	95365.2	102886.0	108278.3	108700.9	108278.3	102886.0	95365.2	86030.0	74280.1	62884.1	51931.4
-40°	73692.5	79123.0	82730.6	82706.9	82730.6	79123.0	73692.5	67444.2	58590.4	49376.6	41108.2
-42.5°	56877.8	60622.1	63297.8	64449.9	63297.8	60622.1	56877.8	52613.2	46129.8	39396.8	33206.5
-45°	44339.0	47167.0	48944.8	49287.9	48944.8	47167.0	44339.0	41207.2	36822.5	32005.0	27337.9
-47.5°	35049.6	37129.7	38815.3	40058.0	38815.3	37129.7	35049.6	32755.8	29665.7	25925.2	22148.7
-50°	27744.3	29281.5	30286.0	30772.0	30286.0	29281.5	27744.3	26026.6	23799.1	20900.6	18046.8
-52.5°	21836.0	23002.8	23739.4	24113.0	23739.4	23002.8	21836.0	20547.2	19018.0	16914.2	14856.1
-55°	17346.0	18218.0	18723.6	18963.0	18723.6	18218.0	17346.0	16401.1	15376.5	13856.5	12344.4
-57.5°	13987.3	14601.1	14939.7	15106.0	14939.7	14601.1	13987.3	13315.9	12594.8	11496.5	10378.6
-60°	11429.9	11913.5	12236.5	12465.0	12236.5	11913.5	11429.9	10901.2	10333.0	9514.5	8614.9
-62.5°	9227.5	9629.6	9814.8	9895.0	9814.8	9629.6	9227.5	8789.0	8321.7	7676.4	6944.4
-65°	7047.6	7303.4	7482.5	7619.0	7482.5	7303.4	7047.6	6761.5	6446.4	6006.0	5474.0
-67.5°	5453.7	5669.1	5784.7	5860.0	5784.7	5669.1	5453.7	5218.8	4967.6	4650.3	4258.1
-70°	4100.0	4239.6	4341.5	4426.0	4341.5	4239.6	4100.0	3945.9	3777.6	3560.6	3268.4
-72.5°	3167.9	3298.1	3355.2	3393.0	3355.2	3298.1	3167.9	3027.7	2878.9	2703.9	2474.5
-75°	2247.7	2333.3	2360.9	2376.0	2360.9	2333.3	2247.7	2155.4	2057.2	1945.8	1798.2
-77.5°	1550.1	1603.4	1634.7	1661.0	1634.7	1603.4	1550.1	1493.4	1433.4	1366.7	1274.0
-80°	1126.8	1164.5	1179.7	1192.0	1179.7	1164.5	1126.8	1087.3	1046.2	1002.5	943.5
-82.5°	849.5	875.5	891.3	906.0	891.3	875.5	849.5	822.6	795.0	766.1	727.0
-85°	670.8	690.8	694.7	698.0	694.7	690.8	670.8	650.3	629.5	608.2	581.4
-87.5°	540.9	556.6	561.4	566.0	561.4	556.6	540.9	525.1	509.2	493.1	475.4
-90°	11.5	8.0	5.0	2.0	5.0	8.0	11.5	15.0	18.5	22.0	26.0



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	390.5	378.3	366.0	356.5	347.0	337.5	328.0	321.5	315.0	308.5	302.0
87.5°	30.0	34.0	38.0	42.0	46.0	50.0	54.0	58.0	62.0	66.0	70.0
85°	30.1	34.1	38.1	42.1	46.2	50.2	54.2	58.2	62.2	66.2	70.2
82.5°	29.8	33.7	37.6	41.8	46.1	50.2	54.4	58.4	62.4	66.4	70.4
80°	30.3	34.3	38.2	42.3	46.4	50.5	54.7	58.7	62.7	66.7	70.7
77.5°	30.7	34.8	38.8	42.9	47.0	51.0	55.0	59.1	63.1	67.1	71.0
75°	30.7	34.7	38.8	43.1	47.3	51.4	55.5	59.5	63.6	67.6	71.5
72.5°	30.6	34.6	38.8	43.2	47.5	51.9	56.1	60.1	64.1	68.2	72.0
70°	30.9	35.1	39.3	43.7	48.2	52.5	56.7	60.8	64.8	68.8	72.7
67.5°	31.4	35.6	39.9	44.1	48.4	52.8	57.2	61.5	65.6	69.6	73.4
65°	32.1	36.3	40.6	44.8	49.0	53.2	57.6	62.0	66.3	70.5	74.2
62.5°	32.9	37.1	41.6	46.0	50.2	54.3	58.6	63.0	67.3	71.4	75.1
60°	33.5	38.0	42.6	47.2	51.8	56.1	60.1	64.2	68.5	72.4	76.2
57.5°	34.3	39.0	43.7	48.4	53.0	57.3	61.5	65.7	69.8	73.6	77.3
55°	35.3	40.1	44.9	49.6	54.3	58.6	62.8	67.0	71.0	74.8	78.5
52.5°	36.4	41.2	46.0	51.0	55.7	60.0	64.3	68.5	72.4	76.2	79.9
50°	37.7	42.6	47.3	51.8	56.8	61.5	65.9	70.1	73.9	77.7	81.3
47.5°	39.2	44.4	49.4	54.1	58.4	63.0	67.6	71.7	75.5	79.3	82.9
45°	40.8	46.1	51.3	56.2	60.8	65.1	69.5	73.7	77.4	81.0	84.6
42.5°	42.5	48.0	53.3	58.3	62.8	67.3	71.6	75.8	79.7	83.0	86.3
40°	44.4	49.5	55.1	60.7	65.5	69.7	74.1	78.1	82.1	85.7	88.3
37.5°	47.2	52.6	57.9	63.0	68.4	72.9	76.9	80.9	84.5	87.9	90.5
35°	50.7	56.4	62.1	67.1	71.5	76.2	80.0	84.0	87.5	90.4	92.9
32.5°	56.2	61.9	67.4	72.3	76.4	80.5	84.1	87.0	90.6	93.3	95.6
30°	64.9	69.2	73.9	78.4	82.1	85.6	89.1	91.3	93.8	96.4	98.8
27.5°	73.8	77.9	81.5	84.5	88.2	91.3	94.2	96.4	97.9	99.9	101.9
25°	80.3	86.6	89.6	91.7	94.2	97.7	100.0	101.7	102.8	104.2	106.1
22.5°	83.5	93.4	98.7	99.7	101.7	104.2	106.5	107.6	109.0	111.3	111.6
20°	86.8	102.1	108.3	114.3	113.5	111.1	113.3	117.6	121.1	120.8	118.4
17.5°	105.2	114.8	134.1	141.8	133.3	123.6	133.0	136.6	135.6	132.2	126.0
15°	139.1	163.7	178.6	180.2	182.8	180.2	169.0	159.8	152.8	145.5	147.8
12.5°	360.2	245.2	267.8	442.0	338.6	268.7	223.3	192.5	205.4	226.3	221.3
10°	1252.1	3226.3	2780.0	1466.5	666.1	388.5	542.6	495.4	417.3	354.7	306.4
7.5°	17358.5	12857.1	7395.1	3972.9	2855.4	2201.6	1567.5	972.4	667.4	498.2	399.6
5°	38794.2	26508.8	16763.6	10290.0	6940.0	4504.9	2788.6	1512.5	941.2	650.5	499.7
2.5°	61022.9	41483.7	27020.5	17126.1	11730.1	7810.6	4864.6	2905.2	1841.9	1204.0	936.5
0°	91894.9	64574.9	42722.0	28226.0	18367.0	13259.0	8054.0	5018.0	3041.0	1836.0	1374.0
-2.5°	105250.9	74365.0	52514.9	34926.5	23675.9	16077.6	10959.9	6738.2	3973.8	2417.4	1780.8
-5°	107756.8	77691.8	56025.9	38935.9	27622.4	19152.2	13300.5	8211.3	4857.6	2968.0	2166.0
-7.5°	111129.7	80823.9	58143.4	41836.0	30614.9	21791.4	14981.8	9364.2	5696.9	3521.3	2563.2
-10°	112111.9	83106.9	60277.5	44047.4	32556.1	23548.1	15976.8	10131.3	6264.5	3965.4	2921.6
-12.5°	113948.2	83743.5	59982.8	44251.9	33283.4	24376.7	16545.6	10554.8	6501.2	4274.7	3233.6
-15°	110417.4	81932.0	61195.0	45184.7	33374.3	24510.8	16774.9	10665.5	6472.2	4452.8	3492.9
-17.5°	105373.2	79205.5	60966.9	45983.3	34072.1	24207.5	16548.8	10501.0	6495.0	4618.2	3704.5
-20°	98596.8	76870.3	59678.2	45647.5	33984.7	24074.2	15679.1	9675.2	6442.2	4810.1	3883.5



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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°	93133.4	72238.0	56525.6	43682.6	32586.8	22818.8	14862.2	9061.3	6114.7	4877.2	3989.7
-25°	88064.9	66554.2	52119.7	40332.4	29792.4	20415.3	13411.2	9021.6	6399.2	4887.9	4025.9
-27.5°	80130.6	61354.3	46662.7	35778.8	25927.9	18078.8	12280.4	8599.3	6505.0	5045.6	4028.2
-30°	70033.7	54660.8	41467.6	30458.2	22403.7	15769.0	11116.6	8403.8	6457.4	5051.2	4065.4
-32.5°	59748.9	47027.6	35508.0	26037.4	18987.0	13999.0	10546.3	7952.6	6195.3	4998.5	4091.8
-35°	50575.6	39199.3	29681.8	22296.1	16299.3	12679.8	9756.1	7528.9	5945.9	4864.2	4069.7
-37.5°	41224.8	31857.3	25034.6	19147.4	14709.2	11327.6	8922.0	7094.1	5675.6	4759.4	4018.4
-40°	33590.7	26562.8	21123.0	16612.4	13062.7	10052.5	8152.2	6605.5	5513.5	4611.2	3924.4
-42.5°	27737.8	22465.0	17818.2	14387.2	11463.9	9182.9	7410.9	6242.3	5267.4	4465.0	3814.5
-45°	22993.2	18874.6	15175.5	12393.7	10105.5	8329.6	6840.9	5838.9	4997.5	4292.6	3676.1
-47.5°	18816.9	15780.8	12961.8	10682.4	9013.7	7556.3	6388.0	5432.8	4722.8	4074.6	3457.4
-50°	15475.8	13269.8	11211.9	9383.8	8047.5	6891.8	5908.6	5055.7	4394.5	3771.5	3195.1
-52.5°	12914.8	11263.5	9724.5	8314.2	7181.4	6255.1	5409.8	4646.4	3998.1	3434.3	2900.8
-55°	10861.5	9607.9	8461.5	7372.1	6368.1	5582.9	4847.0	4174.6	3591.4	3073.1	2590.9
-57.5°	9295.4	8265.2	7294.7	6390.9	5565.5	4867.0	4237.5	3666.4	3167.9	2703.3	2262.1
-60°	7706.0	6816.8	6080.6	5372.7	4699.2	4102.3	3623.3	3163.5	2725.7	2316.0	1927.8
-62.5°	6220.9	5516.3	4940.7	4416.0	3917.9	3458.2	3038.6	2639.1	2265.4	1916.5	1610.4
-65°	4944.2	4422.7	3973.9	3571.6	3170.3	2772.5	2419.3	2118.4	1845.6	1575.8	1310.1
-67.5°	3863.2	3469.3	3108.7	2775.2	2477.7	2193.9	1942.8	1697.9	1473.3	1260.8	1058.9
-70°	2969.2	2664.8	2389.4	2147.3	1930.2	1724.5	1525.8	1332.9	1143.7	983.2	849.1
-72.5°	2248.6	2028.9	1831.7	1655.6	1478.0	1315.4	1169.0	1033.3	903.8	781.3	678.1
-75°	1649.5	1501.1	1358.9	1230.6	1106.1	986.6	886.8	797.8	712.1	630.0	555.7
-77.5°	1181.2	1088.9	1000.1	920.6	841.4	762.9	686.9	621.8	567.9	516.4	470.2
-80°	884.4	825.4	767.6	714.3	661.9	610.6	561.6	518.3	476.7	439.7	409.1
-82.5°	687.9	648.8	610.2	574.9	540.2	506.1	473.4	445.6	418.9	393.3	369.9
-85°	554.5	527.7	501.2	477.8	454.7	432.0	409.9	392.3	375.2	358.7	343.1
-87.5°	457.6	439.8	422.1	407.2	392.3	377.6	363.1	352.3	341.7	331.2	321.0
-90°	30.0	34.0	38.0	42.0	46.0	50.0	54.0	58.0	62.0	66.0	70.0



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	297.8	293.5	289.3	285.0	276.5	268.0	259.5	251.0	235.7	220.5	205.2
87.5°	73.8	77.5	81.3	85.0	88.3	91.5	94.8	98.0	100.5	103.0	105.5
85°	73.9	77.7	81.4	85.1	88.4	91.6	94.9	98.1	100.6	103.1	105.6
82.5°	74.1	77.9	81.6	85.3	88.5	91.8	95.0	98.2	100.7	103.2	105.6
80°	74.4	78.1	81.9	85.5	88.8	92.0	95.2	98.4	101.0	103.5	105.9
77.5°	74.8	78.5	82.2	85.8	89.1	92.3	95.5	98.6	101.3	103.8	106.3
75°	75.2	79.0	82.7	86.2	89.4	92.6	95.8	98.8	101.5	104.2	106.7
72.5°	75.8	79.5	83.2	86.6	89.8	93.0	96.2	99.1	101.8	104.4	107.1
70°	76.4	80.1	83.8	87.2	90.3	93.5	96.6	99.5	102.1	104.7	107.3
67.5°	77.1	80.8	84.5	87.7	90.9	94.0	97.1	99.9	102.5	105.1	107.6
65°	77.9	81.6	85.2	88.4	91.5	94.6	97.7	100.3	102.9	105.4	108.0
62.5°	78.8	82.5	86.0	89.1	92.2	95.2	98.2	100.8	103.3	105.8	108.3
60°	79.8	83.5	86.8	89.9	92.9	96.0	98.8	101.3	103.8	106.3	108.7
57.5°	81.0	84.6	87.7	90.8	93.8	96.7	99.4	101.9	104.3	106.7	109.1
55°	82.2	85.6	88.7	91.7	94.7	97.6	100.1	102.5	104.9	107.2	109.4
52.5°	83.5	86.8	89.8	92.7	95.6	98.4	100.8	103.2	105.5	107.8	109.7
50°	84.9	88.1	91.0	93.8	96.7	99.4	101.6	103.9	106.1	108.4	110.1
47.5°	86.3	89.6	92.5	95.1	97.8	100.5	102.6	104.6	106.8	109.0	110.6
45°	87.9	91.0	94.1	96.8	98.9	101.6	103.9	105.4	107.5	109.6	111.1
42.5°	89.5	92.6	95.6	98.6	100.4	102.6	105.3	106.7	108.3	110.3	111.8
40°	91.3	94.3	97.2	99.9	102.0	103.6	106.3	108.1	109.1	111.1	112.4
37.5°	93.2	96.1	98.9	101.3	103.6	105.1	107.2	109.6	110.4	112.1	113.2
35°	95.3	98.0	100.6	102.8	104.9	106.7	108.1	110.9	112.2	113.2	113.9
32.5°	97.4	100.0	102.5	104.5	106.3	108.3	109.4	112.4	114.0	114.4	114.8
30°	100.3	102.4	104.5	106.4	107.9	109.7	111.4	114.2	115.9	115.8	115.7
27.5°	103.9	105.0	106.8	108.4	109.7	111.2	114.4	116.2	117.9	117.4	116.9
25°	107.7	108.4	109.4	110.5	111.6	115.4	117.8	118.5	119.8	119.1	118.1
22.5°	111.9	112.1	112.3	112.8	117.6	120.2	121.4	121.4	121.8	120.9	119.4
20°	116.4	115.9	117.0	121.9	124.7	125.7	125.5	124.5	123.9	122.6	120.7
17.5°	121.6	127.6	131.3	132.6	132.7	131.8	130.0	127.7	126.1	124.4	122.1
15°	155.3	152.9	148.0	144.3	141.3	138.2	134.7	131.1	128.4	126.2	125.1
12.5°	203.4	182.9	166.6	157.0	150.5	144.9	139.7	134.5	130.8	130.8	130.2
10°	258.1	216.7	186.5	170.3	160.0	151.9	144.8	140.6	138.9	137.6	135.4
7.5°	317.3	252.9	207.4	184.0	176.8	168.8	160.6	152.4	147.9	144.4	140.6
5°	426.5	362.3	310.8	270.4	233.5	197.0	178.4	164.3	156.9	151.3	145.8
2.5°	741.2	586.2	468.8	370.7	292.4	225.6	196.3	176.2	166.0	158.2	150.9
0°	1056.0	810.0	627.0	471.0	351.0	254.0	214.0	188.0	175.0	165.0	156.0
-2.5°	1392.4	1090.0	859.4	664.0	501.6	373.8	283.1	226.8	193.5	175.3	162.7
-5°	1713.5	1359.1	1083.5	850.0	647.4	489.0	349.7	264.2	211.4	185.3	169.3
-7.5°	2038.8	1628.4	1299.8	1026.0	786.3	595.9	411.8	298.9	228.2	194.8	175.7
-10°	2343.7	1885.4	1505.5	1190.3	923.1	698.2	471.8	329.7	243.7	203.8	181.9
-12.5°	2617.5	2114.6	1690.9	1341.0	1050.8	796.6	552.5	378.1	261.0	212.1	187.8
-15°	2856.0	2311.3	1852.5	1475.9	1166.7	884.3	624.0	431.5	301.2	227.5	193.5
-17.5°	3051.4	2471.6	1987.4	1593.3	1269.3	960.0	684.8	478.4	336.5	251.1	204.4
-20°	3187.4	2593.0	2096.1	1691.8	1357.4	1022.9	733.7	517.7	366.1	271.8	218.8



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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°	3277.1	2685.7	2194.3	1779.6	1426.4	1071.8	769.6	548.9	389.4	289.1	231.6
-25°	3318.0	2749.8	2272.0	1857.8	1473.6	1109.4	798.2	571.4	405.8	302.8	242.7
-27.5°	3348.0	2793.4	2328.8	1916.9	1509.5	1128.9	821.1	590.5	417.8	312.5	252.1
-30°	3357.4	2834.0	2373.3	1952.1	1525.7	1140.8	831.8	599.6	429.1	321.7	259.4
-32.5°	3389.8	2850.5	2397.4	1952.5	1525.4	1139.6	836.9	598.2	434.5	330.1	266.0
-35°	3415.9	2863.1	2396.3	1929.1	1508.3	1139.5	835.1	585.8	433.8	335.5	271.3
-37.5°	3390.5	2859.9	2346.1	1886.6	1473.1	1122.0	822.9	582.4	427.0	338.0	274.9
-40°	3344.7	2807.4	2282.6	1828.5	1431.5	1087.2	796.2	575.7	423.5	337.3	276.7
-42.5°	3256.5	2699.7	2195.1	1750.5	1373.6	1041.6	757.9	558.7	422.9	336.3	276.8
-45°	3094.4	2559.1	2076.8	1659.9	1296.9	978.9	726.4	534.6	417.3	334.3	276.2
-47.5°	2894.6	2385.4	1935.1	1542.7	1205.0	906.9	682.3	520.6	406.4	329.9	275.9
-50°	2655.7	2185.0	1770.2	1409.0	1091.0	840.2	634.2	499.8	397.6	323.5	274.3
-52.5°	2403.4	1963.4	1588.8	1257.2	986.4	759.5	599.9	473.4	384.7	318.0	271.6
-55°	2133.9	1729.6	1392.5	1110.8	872.7	697.9	557.7	451.4	367.8	311.9	267.8
-57.5°	1859.7	1487.0	1205.6	961.6	775.9	633.9	518.3	424.6	354.7	303.9	264.0
-60°	1575.1	1273.7	1015.8	836.0	687.8	571.4	479.0	397.9	341.4	294.8	259.0
-62.5°	1321.1	1061.2	868.6	719.8	605.6	514.0	438.0	377.8	325.9	287.7	253.3
-65°	1090.8	893.2	723.7	621.8	530.9	458.4	408.3	355.1	314.6	279.7	247.8
-67.5°	875.7	741.4	617.9	527.5	468.2	419.2	375.4	338.8	303.9	271.0	244.0
-70°	726.0	611.6	523.3	465.6	419.5	380.4	354.8	325.0	292.5	265.3	239.7
-72.5°	596.6	522.6	456.6	408.2	382.9	358.9	336.1	311.4	284.6	259.1	234.9
-75°	492.3	447.5	409.3	379.2	357.4	336.9	320.4	301.2	276.3	252.4	230.7
-77.5°	434.5	402.1	373.2	352.6	337.3	322.1	307.1	290.4	268.1	247.1	226.6
-80°	388.2	368.7	350.5	334.3	320.5	307.0	294.9	281.7	261.5	241.7	222.2
-82.5°	354.8	341.9	330.0	318.7	307.6	296.4	285.3	273.6	254.6	235.9	217.8
-85°	333.4	323.9	314.8	306.0	295.8	285.7	275.8	265.7	248.3	231.0	213.9
-87.5°	314.4	307.9	301.5	295.2	286.1	276.9	267.7	258.5	242.1	225.9	209.7
-90°	73.8	77.5	81.3	85.0	88.3	91.5	94.8	98.0	100.5	103.0	105.5



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	190.0	177.7	165.5	153.2	141.0	130.5	120.0
87.5°	108.0	109.8	111.5	113.3	115.0	117.6	120.0
85°	108.0	109.8	111.5	113.3	115.0	117.6	120.0
82.5°	108.1	109.8	111.6	113.3	115.0	117.7	120.0
80°	108.2	109.9	111.6	113.3	115.1	117.8	120.0
77.5°	108.5	110.0	111.7	113.4	115.1	117.9	120.0
75°	108.9	110.2	111.7	113.4	115.2	118.0	120.0
72.5°	109.2	110.5	111.9	113.5	115.3	118.1	120.0
70°	109.5	110.7	112.1	113.6	115.4	118.2	120.0
67.5°	109.7	111.0	112.2	113.7	115.6	118.3	120.0
65°	109.8	111.2	112.4	113.8	115.7	118.4	120.0
62.5°	110.0	111.3	112.6	113.9	115.9	118.6	120.0
60°	110.2	111.5	112.8	114.0	116.1	118.7	120.0
57.5°	110.4	111.6	112.9	114.1	116.3	118.8	120.0
55°	110.7	111.8	113.1	114.3	116.5	119.0	120.0
52.5°	111.0	112.0	113.2	114.4	116.8	119.1	120.0
50°	111.3	112.3	113.4	114.5	117.1	119.3	120.0
47.5°	111.7	112.6	113.6	114.7	117.5	119.4	120.0
45°	112.2	113.0	113.7	114.8	117.8	119.6	120.0
42.5°	112.7	113.3	113.9	115.0	118.2	119.8	120.0
40°	113.3	113.7	114.2	115.4	118.6	120.0	120.0
37.5°	113.9	114.1	114.5	116.1	119.0	120.1	120.0
35°	114.5	114.6	114.8	116.8	119.5	120.3	120.0
32.5°	115.2	115.1	115.1	117.6	120.0	120.5	120.0
30°	115.9	115.6	115.4	118.4	120.5	120.7	120.0
27.5°	116.6	116.2	116.8	119.3	121.0	120.9	120.0
25°	117.4	116.8	118.4	120.1	121.5	121.1	120.0
22.5°	118.2	117.9	120.1	121.1	122.0	121.3	120.0
20°	119.0	120.5	121.8	122.0	122.6	121.5	120.0
17.5°	121.6	123.2	123.6	123.0	123.1	121.7	120.0
15°	125.4	126.0	125.5	124.0	123.7	121.9	120.0
12.5°	129.3	128.8	127.4	125.0	124.2	122.1	120.0
10°	133.2	131.7	129.3	126.0	124.8	122.3	120.0
7.5°	137.2	134.5	131.3	127.0	125.4	122.5	120.0
5°	141.1	137.4	133.2	128.0	125.9	122.6	120.0
2.5°	145.1	140.2	135.1	129.0	126.5	122.8	120.0
0°	149.0	143.0	137.0	130.0	127.0	123.0	120.0
-2.5°	154.2	147.0	139.9	132.0	128.1	123.5	120.0
-5°	159.3	150.8	142.7	134.0	129.2	124.0	120.0
-7.5°	164.2	154.6	145.4	136.0	130.2	124.5	120.0
-10°	169.1	158.3	148.1	137.9	131.2	124.9	120.0
-12.5°	173.7	161.9	150.7	139.8	132.2	125.4	120.0
-15°	178.2	165.3	153.1	141.6	133.2	125.9	120.0
-17.5°	182.4	168.5	155.5	143.3	134.1	126.3	120.0
-20°	188.5	171.6	157.7	144.9	135.0	126.7	120.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	197.1	174.5	159.9	146.4	135.9	127.1	120.0
-25°	204.9	178.9	161.8	147.8	136.7	127.5	120.0
-27.5°	211.7	183.6	163.7	149.1	137.5	127.9	120.0
-30°	217.5	187.9	165.5	150.3	138.2	128.3	120.0
-32.5°	222.2	191.6	168.0	151.4	138.9	128.6	120.0
-35°	226.3	194.7	170.2	152.3	139.5	129.0	120.0
-37.5°	229.8	197.3	172.1	153.1	140.1	129.3	120.0
-40°	232.5	199.4	173.6	153.8	140.6	129.5	120.0
-42.5°	234.2	201.0	174.9	154.5	141.1	129.8	120.0
-45°	235.0	202.0	176.0	155.3	141.5	130.0	120.0
-47.5°	235.0	202.5	176.9	156.0	141.9	130.3	120.0
-50°	234.5	202.5	177.5	156.7	142.2	130.5	120.0
-52.5°	233.4	201.9	177.8	157.4	142.5	130.6	120.0
-55°	231.6	201.6	177.9	157.9	142.7	130.8	120.0
-57.5°	228.9	201.1	177.7	158.3	142.8	130.9	120.0
-60°	225.8	200.3	177.3	158.5	142.9	131.0	120.0
-62.5°	223.9	199.1	177.2	158.6	143.0	131.1	120.0
-65°	221.6	197.5	176.8	158.6	143.1	131.2	120.0
-67.5°	218.8	196.1	176.3	158.4	143.1	131.2	120.0
-70°	215.6	194.6	175.5	158.1	143.1	131.2	120.0
-72.5°	212.9	193.0	174.5	157.8	143.0	131.2	120.0
-75°	210.0	191.0	173.4	157.4	142.8	131.2	120.0
-77.5°	206.8	188.9	172.4	157.0	142.6	131.1	120.0
-80°	203.2	186.8	171.2	156.4	142.4	131.0	120.0
-82.5°	200.2	184.8	170.0	155.7	142.1	130.9	120.0
-85°	196.9	182.6	168.6	155.0	141.8	130.8	120.0
-87.5°	193.6	180.2	167.1	154.2	141.4	130.7	120.0
-90°	108.0	109.8	111.5	113.3	115.0	117.5	120.0

(END OF REPORT)