

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: P1212084 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS12-1000R-40-70-7F-ECV**

Issue Date: 11/14/2025

Test Information

Test Method: LM-79-08
Report Number: P1212084 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2509-549-33)
Test Lab: INNOVATION CENTER
Issue Date: 11/14/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: EPHESUS
Catalog Number: EPH-LS12-1000R-40-70-7F-ECV
Description: EPHESUS LS12 LUMINAIRE
(12) 4000K, 70 CRI LEDS AND 7F BEAM SHAPE WITH EXTREME CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

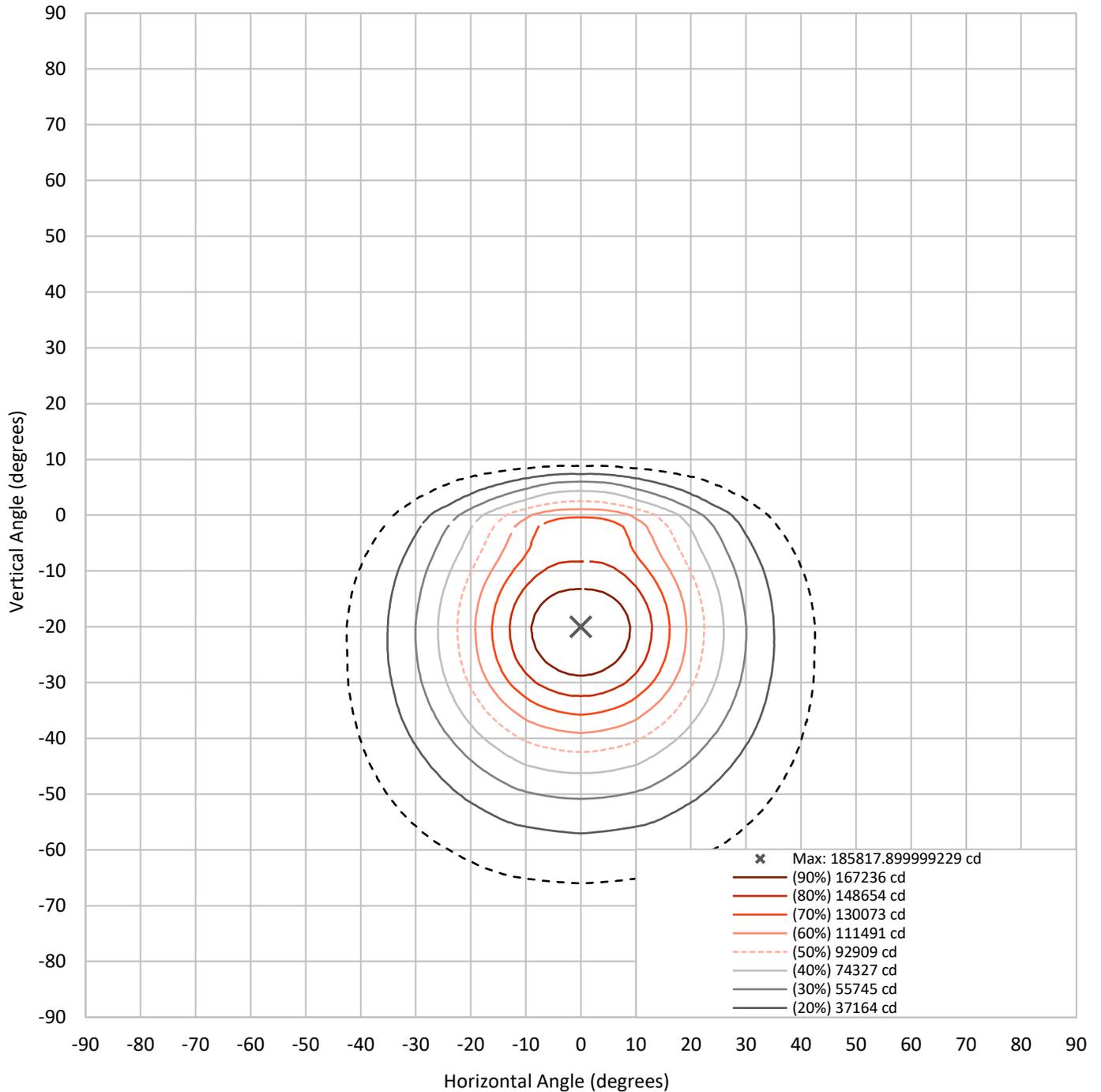
Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	122464.9 lumens	Max Intensity:	185817.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	117.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.83' x L: 0.79' x H: 0')		
Beam Angle (50%):	44.8°H x 44.8°V	Field Angle (10%):	84.9°H x 74.8°V
Beam Lumens:	65718 lumens	Field Lumens:	112281.5 lumens
Beam Efficiency:	53.7%	Field Efficiency:	91.7%

Input Watts (W): 1041
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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CATALOG NUMBER: EPH-LS12-1000R-40-70-7F-ECV

Iso-Candela Plot





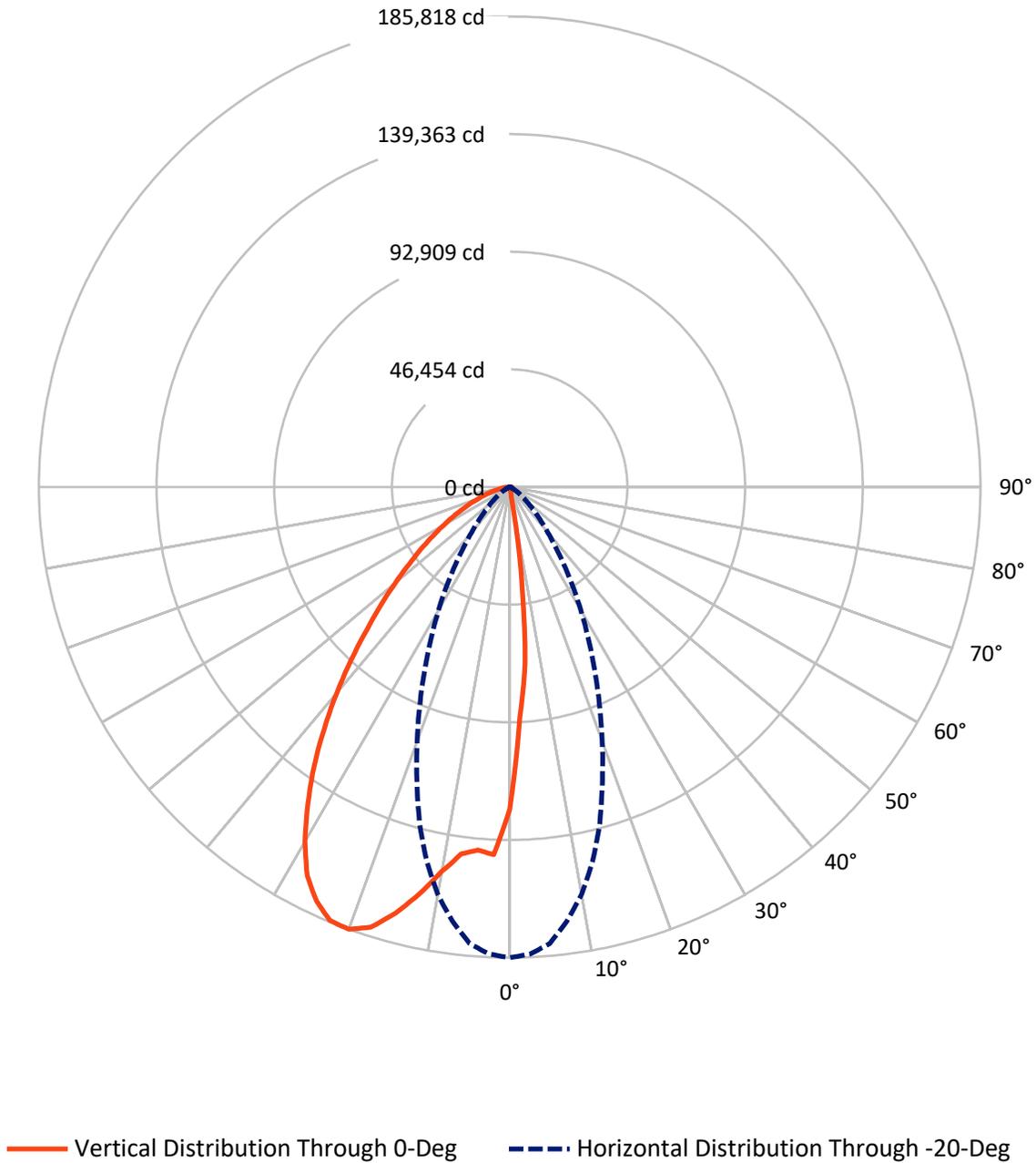
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Lumen Table

90																
80	2.4	6.4		8.2		8.6		8.2		8.6		8.2		6.4		2.4
70																
60	2.4	1.3	1.6	1.6	1.4	1.1	0.7	0.2	0.2	0.7	1.1	1.4	1.6	1.6	1.3	2.4
50		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	
40	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
30		1.4	1.8	2.0	2.0	1.7	1.1	0.4	0.4	1.1	1.7	2.0	2.0	1.8	1.4	
20	2.6	1.5	2.0	2.3	2.4	2.1	1.5	0.5	0.5	1.5	2.1	2.4	2.3	2.0	1.5	2.6
10		1.7	2.8	5.1	7.1	15.2	18.5	18.4	18.4	18.5	15.2	7.1	5.1	2.8	1.7	
0	3.1	2.6	10.9	45.7	190.5	587.2	1240.5	1865.8	1865.8	1240.5	587.2	190.5	45.7	10.9	2.6	3.1
-10		7.0	44.6	190.7	641.9	1628.0	3049.5	4209.3	4209.3	3049.5	1628.0	641.9	190.7	44.6	7.0	
-20	5.1	14.2	81.1	303.1	902.4	2099.6	3798.0	5054.7	5054.7	3798.0	2099.6	902.4	303.1	81.1	14.2	5.1
-30		19.5	97.1	328.2	945.4	2144.9	3858.2	5171.0	5171.0	3858.2	2144.9	945.4	328.2	97.1	19.5	
-40	7.0	20.4	93.4	302.3	812.8	1737.9	2979.2	3907.6	3907.6	2979.2	1737.9	812.8	302.3	93.4	20.4	7.0
-50		18.9	79.6	241.2	589.5	1166.4	1878.5	2375.1	2375.1	1878.5	1166.4	589.5	241.2	79.6	18.9	
-60	6.4	15.7	58.9	167.0	374.4	690.1	1048.2	1269.3	1269.3	1048.2	690.1	374.4	167.0	58.9	15.7	6.4
-70		10.8	35.4	95.9	204.0	350.4	511.4	607.7	607.7	511.4	350.4	204.0	95.9	35.4	10.8	
-80																
-90	4.6	31.7		148.3		411.0		574.0		411.0		148.3		31.7		4.6

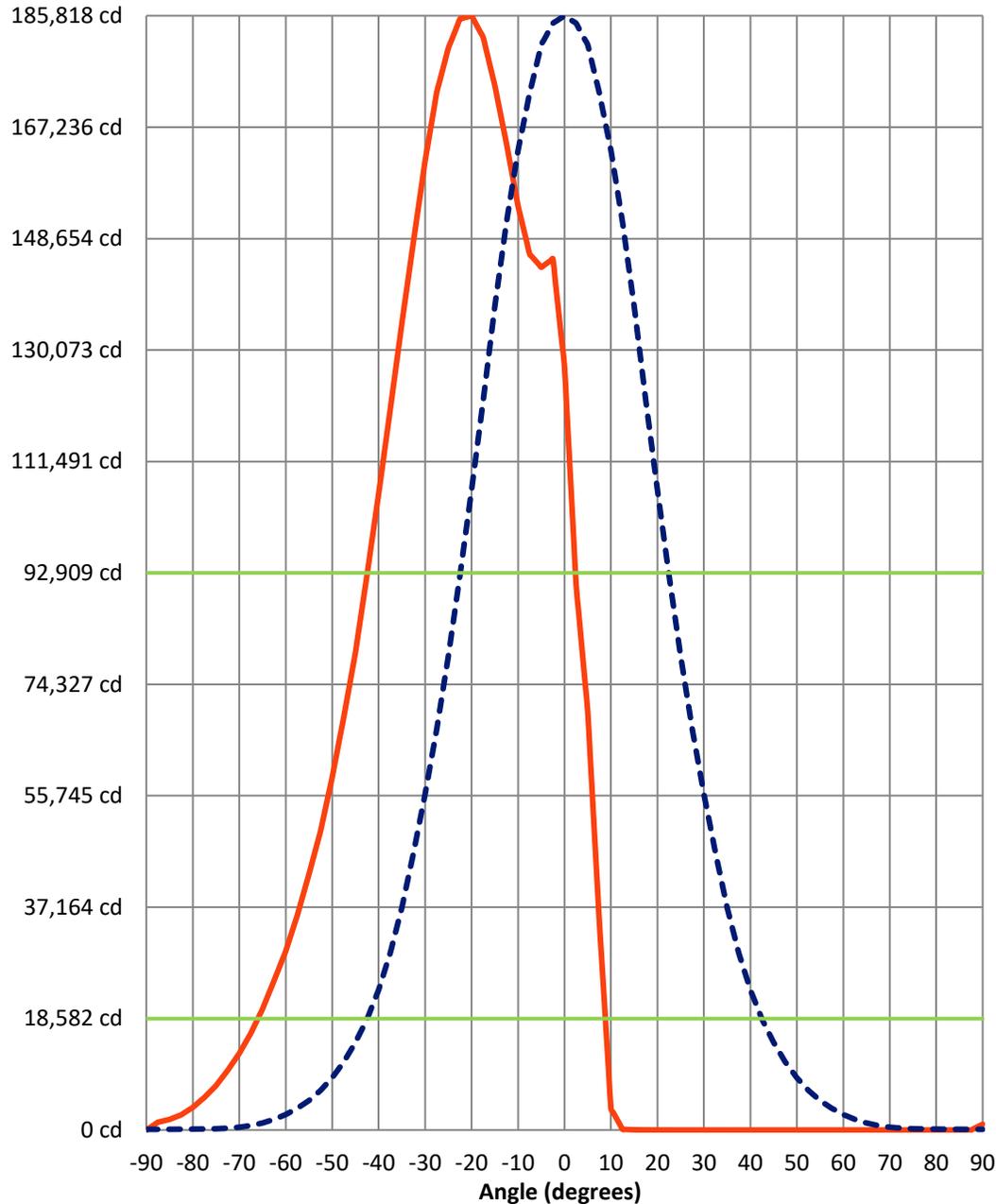
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 44.8°
 V Angle: 44.8°
 Lumens: 65718
 Efficiency: 53.7%

Field:
 H Angle: 84.9°
 V Angle: 74.8°
 Lumens: 112281.5
 Efficiency: 91.7%

Spill:
 Lumens: 10183.4
 Efficiency: 8.3%

— Vertical Distribution through 0-Deg
 - - Horizontal Distribution through -20-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°	117.0	125.5	134.0	154.2	174.5	194.7	215.0	232.5	250.0	267.5	285.0
87.5°	117.0	116.0	115.1	113.6	112.1	110.6	109.0	106.5	104.0	101.5	99.0
85°	117.0	116.0	115.2	113.7	112.2	110.6	109.0	106.6	104.1	101.6	99.1
82.5°	117.0	116.1	115.3	113.8	112.3	110.7	109.1	106.6	104.2	101.7	99.2
80°	117.0	116.1	115.4	114.0	112.4	110.8	109.2	106.9	104.5	102.0	99.4
77.5°	117.0	116.1	115.5	114.1	112.6	111.0	109.5	107.3	104.8	102.3	99.6
75°	117.0	116.2	115.6	114.3	112.7	111.2	109.9	107.7	105.2	102.5	99.8
72.5°	117.0	116.2	115.7	114.4	112.9	111.5	110.2	108.1	105.4	102.8	100.1
70°	117.0	116.2	115.8	114.6	113.1	111.7	110.5	108.3	105.7	103.1	100.5
67.5°	117.0	116.3	115.9	114.7	113.2	112.0	110.7	108.6	106.1	103.5	100.9
65°	117.0	116.3	116.0	114.8	113.4	112.2	110.9	109.0	106.4	103.9	101.3
62.5°	117.0	116.3	116.0	114.9	113.6	112.4	111.1	109.3	106.8	104.3	101.9
60°	117.0	116.4	116.1	115.0	113.8	112.7	111.3	109.7	107.3	105.0	102.6
57.5°	117.0	116.4	116.2	115.1	114.0	112.9	111.6	110.1	107.9	105.7	103.3
55°	117.0	116.4	116.3	115.3	114.3	113.2	111.9	110.4	108.7	106.6	104.2
52.5°	117.0	116.4	116.3	115.4	114.5	113.5	112.3	111.0	109.5	107.4	105.1
50°	117.0	116.5	116.4	115.5	114.8	113.9	112.7	111.6	110.4	108.4	105.9
47.5°	117.0	116.5	116.5	115.7	115.1	114.2	113.1	112.2	111.3	109.4	106.8
45°	117.0	116.5	116.7	115.9	115.4	114.6	113.6	112.9	112.1	110.3	107.8
42.5°	117.0	116.6	116.8	116.2	115.7	115.0	114.2	113.5	112.9	111.2	108.8
40°	117.0	116.6	116.9	116.5	116.0	115.4	114.8	114.3	113.7	112.1	109.9
37.5°	117.0	116.6	117.1	116.8	116.4	115.8	115.3	115.0	114.5	113.0	111.0
35°	117.0	116.7	117.2	117.2	116.7	116.3	115.9	115.8	115.4	114.1	112.1
32.5°	117.0	116.7	117.4	117.6	117.1	116.8	116.5	116.7	116.4	115.3	113.9
30°	117.0	116.7	117.6	118.0	117.4	117.3	117.2	117.5	117.5	116.7	116.0
27.5°	117.0	116.7	117.8	118.5	118.2	117.8	117.9	118.4	118.7	118.2	118.2
25°	117.0	116.8	118.0	119.0	119.1	118.2	118.6	119.4	119.9	120.0	120.7
22.5°	117.0	116.8	118.2	119.4	120.1	119.1	119.3	120.4	121.3	122.1	123.3
20°	117.0	116.8	118.4	119.9	121.1	120.8	120.1	121.5	122.7	124.3	126.1
17.5°	117.0	116.8	118.6	120.5	122.2	122.7	122.1	122.5	124.1	126.6	129.0
15°	117.0	116.9	118.8	121.0	123.3	124.6	125.0	125.0	125.6	129.0	131.9
12.5°	117.0	116.9	119.0	121.5	124.4	126.7	127.9	129.2	129.5	131.4	135.0
10°	117.0	116.9	119.2	122.0	125.5	128.7	130.9	133.5	135.3	141.0	143.8
7.5°	117.0	116.9	119.4	122.5	126.7	130.8	134.0	137.9	141.2	152.1	165.5
5°	117.0	117.0	119.6	123.0	127.8	132.9	137.0	142.3	147.2	163.4	188.2
2.5°	117.0	117.0	119.8	123.5	128.9	135.0	140.0	146.7	153.1	174.8	211.2
0°	117.0	117.0	120.0	124.0	130.0	137.0	143.0	151.0	159.0	186.0	234.0
-2.5°	117.0	117.5	121.2	126.1	133.6	143.4	153.5	168.2	191.4	247.6	347.3
-5°	117.0	118.0	122.3	128.2	137.1	149.6	163.9	185.1	223.0	307.3	456.5
-7.5°	117.0	118.6	123.5	130.2	140.5	155.7	173.9	201.4	253.1	363.4	558.9
-10°	117.0	119.1	124.6	132.1	143.8	161.5	183.5	216.9	281.1	414.6	651.4
-12.5°	117.0	119.6	125.7	134.0	147.0	166.9	192.5	231.4	306.4	468.3	790.9
-15°	117.0	120.1	126.7	135.9	150.0	172.0	200.9	244.6	350.5	575.3	942.0
-17.5°	117.0	120.6	127.8	137.6	152.7	176.6	208.6	274.5	417.0	669.7	1072.5
-20°	117.0	121.0	128.8	139.3	155.3	180.6	223.0	315.4	475.4	749.5	1179.7



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CATALOG NUMBER: EPH-LS12-1000R-40-70-7F-ECV

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	117.0	121.5	129.7	140.9	157.7	184.2	248.1	351.6	524.7	813.0	1261.4
-25°	117.0	121.9	130.6	142.4	159.8	195.7	270.7	382.8	563.9	859.0	1315.4
-27.5°	117.0	122.4	131.5	143.7	161.6	209.3	290.7	408.3	592.3	893.5	1366.8
-30°	117.0	122.8	132.3	145.0	163.8	221.4	307.7	427.9	618.3	926.0	1393.6
-32.5°	117.0	123.2	133.1	146.1	171.4	231.7	321.7	446.7	640.5	942.6	1393.7
-35°	117.0	123.5	133.8	147.1	178.0	240.3	333.8	462.5	653.8	942.6	1366.4
-37.5°	117.0	123.9	134.5	148.0	183.7	247.5	343.4	473.6	657.8	925.7	1374.8
-40°	117.0	124.2	135.1	148.7	188.3	254.2	350.2	479.9	652.5	914.1	1378.0
-42.5°	117.0	124.5	135.6	150.1	192.4	259.2	354.1	481.4	649.6	924.7	1359.1
-45°	117.0	124.8	136.1	152.6	195.8	262.4	355.1	480.0	645.4	922.2	1323.4
-47.5°	117.0	125.0	136.5	154.6	198.2	264.0	353.1	476.9	635.4	903.3	1296.9
-50°	117.0	125.2	136.9	156.5	199.7	263.9	351.5	469.7	630.4	891.6	1249.4
-52.5°	117.0	125.4	137.2	158.2	200.2	262.1	347.9	458.7	620.2	864.5	1184.5
-55°	117.0	125.6	137.5	159.5	199.7	259.9	342.0	444.4	603.1	822.5	1125.4
-57.5°	117.0	125.8	137.7	160.5	198.3	256.5	333.7	432.1	577.0	779.5	1048.4
-60°	117.0	125.9	137.8	161.1	196.2	251.6	323.5	417.4	544.7	729.1	962.6
-62.5°	117.0	126.0	137.8	161.4	195.7	245.4	313.3	398.4	514.0	668.3	880.3
-65°	117.0	126.0	137.8	161.5	194.6	237.9	301.2	376.4	477.2	612.0	786.0
-67.5°	117.0	126.1	137.7	161.2	193.0	231.9	287.3	355.0	434.7	552.0	698.5
-70°	117.0	126.1	137.5	160.6	191.0	227.7	271.8	331.3	401.4	485.6	610.0
-72.5°	117.0	126.1	137.2	160.3	188.5	222.9	262.8	305.6	365.8	437.9	521.6
-75°	117.0	126.1	136.9	159.9	185.6	217.4	254.0	289.4	327.7	387.7	457.7
-77.5°	117.0	126.0	136.6	159.3	184.0	211.4	244.5	276.4	309.3	343.9	390.8
-80°	117.0	126.0	136.1	158.6	182.5	207.5	234.3	262.9	292.5	323.4	355.7
-82.5°	117.0	125.9	135.7	157.7	180.8	204.7	229.4	251.6	275.0	302.2	330.4
-85°	117.0	125.8	135.1	156.7	178.9	201.6	224.9	245.5	266.5	287.9	309.7
-87.5°	117.0	125.6	134.6	155.5	176.8	198.3	220.1	239.1	258.4	277.9	297.5
-90°	117.0	116.0	115.0	113.5	112.0	110.5	109.0	106.5	104.0	101.5	99.0



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 CATALOG NUMBER: EPH-LS12-1000R-40-70-7F-ECV

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	299.3	313.5	327.8	342.0	360.3	378.5	396.8	415.0	441.5	468.0	494.5
87.5°	95.6	92.3	88.9	85.6	81.9	78.2	74.5	70.7	66.8	62.8	58.8
85°	95.8	92.6	89.4	86.1	82.4	78.7	74.9	71.2	67.1	62.9	58.7
82.5°	96.0	92.8	89.5	86.3	82.6	78.9	75.1	71.3	67.0	62.8	58.6
80°	96.2	93.0	89.8	86.5	82.8	78.9	74.9	70.9	66.7	62.7	58.7
77.5°	96.5	93.3	90.1	86.8	83.1	79.1	75.1	71.1	67.1	63.1	59.1
75°	96.8	93.6	90.4	87.2	83.5	79.6	75.6	71.6	67.6	63.6	59.5
72.5°	97.2	94.0	90.8	87.6	84.1	80.1	76.2	72.2	68.2	64.1	60.1
70°	97.6	94.5	91.3	88.2	84.7	80.8	76.8	72.8	68.8	64.8	60.8
67.5°	98.1	95.0	91.9	88.7	85.5	81.5	77.6	73.6	69.6	65.6	61.5
65°	98.7	95.6	92.5	89.4	86.2	82.2	78.1	74.2	70.5	66.5	62.4
62.5°	99.3	96.2	93.2	90.0	86.5	82.6	78.8	75.1	71.4	67.5	63.4
60°	99.9	97.0	93.9	90.5	87.0	83.5	79.8	76.2	72.4	68.6	64.5
57.5°	100.7	97.7	94.5	91.3	88.1	84.6	81.0	77.3	73.6	69.8	65.7
55°	101.5	98.6	95.6	92.6	89.3	85.7	82.2	78.5	74.8	71.1	67.0
52.5°	102.3	99.6	97.0	93.9	90.5	87.0	83.5	80.0	76.4	72.6	68.5
50°	103.2	100.9	98.5	95.2	91.8	88.4	85.2	81.9	78.2	74.2	70.1
47.5°	104.4	102.2	99.8	96.5	93.3	90.2	87.3	83.8	79.9	75.9	71.8
45°	105.6	103.4	101.0	98.0	95.0	92.3	89.1	85.6	81.7	77.8	73.7
42.5°	106.7	104.7	102.3	99.5	97.1	94.2	90.9	87.4	83.8	79.9	75.9
40°	108.0	106.0	103.7	101.5	99.1	96.0	92.8	89.4	85.9	82.4	78.6
37.5°	109.3	107.5	105.4	103.5	100.9	97.9	94.8	91.5	88.4	85.3	81.2
35°	110.8	109.1	107.3	105.3	102.6	99.9	96.9	93.9	91.3	88.0	84.0
32.5°	112.3	110.9	109.3	106.9	104.5	102.0	99.2	96.8	94.1	90.8	87.0
30°	114.3	112.7	111.2	108.5	106.5	104.3	101.9	99.7	97.1	94.3	91.4
27.5°	117.0	114.7	112.7	110.4	108.7	106.7	105.0	102.9	100.8	98.4	96.4
25°	120.0	118.6	114.3	112.5	111.1	109.6	108.3	106.7	105.0	103.2	100.5
22.5°	123.3	122.9	119.3	114.8	113.7	112.8	112.0	111.1	110.1	108.3	104.4
20°	127.0	127.5	126.3	126.4	119.3	116.1	116.1	115.7	116.7	118.0	113.5
17.5°	131.0	132.6	135.6	141.1	142.0	135.2	120.4	120.6	124.5	133.1	136.3
15°	135.2	138.2	146.5	158.6	170.5	182.3	186.0	158.3	136.3	153.7	167.0
12.5°	139.6	144.1	158.5	178.2	203.5	240.0	288.4	337.4	357.5	283.4	205.2
10°	144.1	150.4	171.4	199.5	240.0	305.9	410.1	556.5	737.2	920.8	1056.0
7.5°	182.3	196.6	209.2	221.7	278.7	377.3	545.0	804.4	1174.2	1674.8	2410.2
5°	228.0	289.5	384.9	506.1	636.3	764.5	912.9	1081.0	1644.9	2501.5	3938.5
2.5°	274.7	385.5	566.7	841.8	1207.9	1655.7	2264.9	3051.4	4047.5	5289.2	7175.7
0°	321.0	481.0	748.0	1178.0	1782.0	2552.0	3626.0	5036.0	6831.0	8973.0	11779.0
-2.5°	510.5	777.7	1174.3	1761.6	2547.3	3575.8	4971.8	6686.1	8969.5	11955.0	15627.3
-5°	693.1	1062.7	1583.3	2319.2	3276.3	4545.8	6239.9	8240.9	10997.9	14694.6	19127.2
-7.5°	864.1	1328.8	1965.4	2850.0	4001.0	5529.8	7533.6	9896.4	13021.0	17118.5	22158.5
-10°	1031.3	1617.9	2386.6	3410.9	4731.0	6467.3	8714.5	11375.9	14783.2	19195.3	24687.6
-12.5°	1261.3	1921.6	2779.8	3908.6	5370.5	7274.0	9720.4	12643.6	16237.6	20870.7	26670.4
-15°	1466.4	2188.0	3124.1	4332.6	5904.6	7928.8	10525.5	13670.0	17316.8	22128.2	28102.8
-17.5°	1643.0	2411.9	3412.9	4673.4	6320.0	8413.6	11074.8	14285.9	18033.2	23012.7	29160.3
-20°	1787.5	2588.5	3640.8	4922.9	6618.9	8731.7	11372.5	14623.1	18497.6	23391.9	29542.0



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1897.1	2713.8	3814.3	5140.2	6834.1	8927.5	11501.0	14676.3	18543.8	23174.5	29767.5
-25°	1979.8	2828.5	3936.1	5272.0	6928.1	8986.0	11435.5	14475.7	18291.0	23418.5	29747.4
-27.5°	2035.5	2895.0	3984.0	5318.5	6902.8	8930.6	11327.7	14236.5	18308.2	23334.5	29171.3
-30°	2052.3	2922.0	3967.5	5290.9	6860.1	8804.2	11112.2	14119.4	18044.4	22923.2	28549.9
-32.5°	2048.2	2908.2	3940.8	5219.4	6739.7	8534.9	10954.3	13948.4	17611.6	22059.3	27456.2
-35°	2040.5	2887.9	3882.8	5070.0	6521.7	8339.9	10731.9	13560.7	16888.3	21054.6	26142.9
-37.5°	2027.9	2830.9	3771.9	4893.8	6283.2	8144.3	10320.7	13030.2	16145.5	19833.7	24639.7
-40°	1984.2	2737.4	3655.0	4715.3	6065.9	7840.2	9924.6	12329.3	15219.9	18789.5	22883.6
-42.5°	1916.1	2652.8	3510.8	4497.0	5840.5	7458.4	9369.8	11624.2	14281.0	17497.0	21220.2
-45°	1867.7	2533.0	3333.6	4332.0	5552.3	7011.7	8782.7	10805.8	13305.5	16105.1	19406.3
-47.5°	1793.1	2395.6	3158.4	4087.9	5222.3	6563.3	8106.7	10041.9	12221.8	14763.3	17527.6
-50°	1702.6	2275.9	2952.5	3825.3	4841.4	6056.0	7470.5	9206.6	11203.0	13379.5	15830.4
-52.5°	1616.1	2126.7	2763.8	3524.5	4443.5	5510.4	6829.0	8382.8	10146.3	12081.7	14232.3
-55°	1505.7	1980.8	2547.3	3230.0	4029.5	4972.8	6157.6	7560.4	9047.8	10792.4	12658.5
-57.5°	1392.8	1811.2	2317.7	2921.9	3629.8	4444.0	5532.2	6722.0	8080.2	9524.6	11116.2
-60°	1270.6	1629.6	2068.2	2601.2	3215.4	3969.7	4876.8	5935.3	7099.8	8341.2	9724.4
-62.5°	1135.5	1444.2	1813.8	2257.8	2797.7	3453.9	4242.1	5133.1	6110.9	7203.5	8360.6
-65°	1010.4	1249.0	1559.3	1932.1	2353.4	2942.5	3601.4	4315.5	5149.5	6058.0	7023.5
-67.5°	868.9	1070.7	1311.3	1598.8	1967.2	2435.1	2958.2	3574.8	4238.0	4943.9	5708.2
-70°	746.3	884.7	1074.7	1305.2	1582.4	1937.3	2370.5	2849.0	3373.3	3947.6	4575.6
-72.5°	623.0	737.2	866.1	1008.8	1234.3	1515.2	1821.5	2151.4	2560.1	3036.7	3528.6
-75°	523.6	586.9	684.9	798.4	951.0	1131.8	1331.2	1593.2	1903.3	2247.0	2602.1
-77.5°	444.2	497.4	552.5	609.3	706.1	851.8	1006.3	1168.8	1373.5	1602.1	1841.1
-80°	382.1	407.2	450.7	496.5	570.4	655.7	747.1	844.2	976.3	1135.7	1317.0
-82.5°	354.1	377.2	399.9	422.3	463.8	509.4	561.6	630.8	732.4	841.6	954.8
-85°	328.2	346.9	367.7	388.3	421.8	457.4	494.4	532.6	594.0	659.1	726.6
-87.5°	313.9	330.4	346.9	363.6	388.6	414.2	440.4	467.0	508.2	550.3	593.2
-90°	95.5	92.0	88.5	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°	521.0	556.5	592.0	627.5	663.0	706.0	749.0	792.0	835.0	866.0	897.0
87.5°	54.9	50.9	47.0	43.0	39.0	35.0	31.0	27.0	23.0	19.5	16.0
85°	54.5	50.5	46.4	42.4	38.3	34.5	30.7	26.9	23.1	19.6	16.1
82.5°	54.4	50.4	46.3	42.3	38.3	34.3	30.3	26.3	22.3	18.7	15.2
80°	54.7	50.6	46.6	42.6	38.5	34.5	30.5	26.4	22.4	18.8	15.2
77.5°	55.0	51.0	47.0	42.9	38.8	34.8	30.7	26.6	22.6	18.9	15.3
75°	55.5	51.5	47.4	43.3	39.2	35.1	31.0	26.9	22.8	19.1	15.5
72.5°	56.1	52.0	47.9	43.7	39.4	35.2	31.1	27.1	23.1	19.3	15.7
70°	56.7	52.6	48.2	43.8	39.4	35.1	31.1	26.9	22.7	18.9	15.4
67.5°	57.5	53.3	48.9	44.5	40.0	35.6	31.4	27.1	22.9	18.9	15.2
65°	58.3	54.2	49.7	45.3	40.8	36.3	32.0	27.7	23.4	19.2	15.4
62.5°	59.3	55.1	50.7	46.2	41.6	37.1	32.7	28.3	23.9	19.6	15.7
60°	60.3	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	49.5	44.7	40.0	35.3	30.7	26.0	21.2	17.0
52.5°	64.3	59.8	55.0	50.2	45.7	41.1	36.4	31.7	26.9	22.0	17.5
50°	65.7	61.1	56.4	51.7	47.3	42.6	37.7	32.8	27.8	22.8	18.1
47.5°	67.5	62.9	58.4	54.1	49.4	44.2	39.1	34.0	29.0	23.8	18.8
45°	69.5	65.1	60.7	55.7	50.5	45.6	40.6	35.5	30.2	24.9	19.6
42.5°	71.7	67.2	62.4	57.4	52.4	47.4	42.3	37.0	31.6	26.1	20.5
40°	74.2	69.6	64.8	59.9	54.7	49.5	44.2	38.8	33.2	27.4	21.5
37.5°	76.8	72.2	67.7	62.9	57.5	51.8	46.6	41.0	35.0	29.0	22.8
35°	79.7	75.9	71.4	66.5	61.0	55.3	49.7	43.7	37.1	31.2	25.0
32.5°	83.9	80.3	75.5	70.6	65.3	59.2	53.4	47.6	41.4	35.3	28.9
30°	89.0	84.3	79.6	74.9	68.8	63.4	58.4	52.9	47.3	41.0	32.8
27.5°	92.7	88.4	83.7	77.8	73.2	68.7	63.9	58.6	50.8	43.0	33.9
25°	96.6	92.4	86.7	82.1	78.3	73.9	67.9	60.7	51.7	42.5	33.7
22.5°	100.8	95.9	90.8	87.0	83.6	77.7	70.4	61.2	51.9	42.9	34.6
20°	105.0	99.6	96.9	96.7	88.3	81.4	72.4	62.6	53.6	45.6	38.0
17.5°	126.5	105.8	110.5	118.6	107.6	86.4	84.1	71.9	59.9	52.5	43.4
15°	167.7	186.4	188.9	151.8	153.0	140.0	113.3	113.5	95.4	91.2	76.1
12.5°	243.7	356.0	572.6	791.5	274.1	241.2	529.0	373.7	381.8	267.7	298.1
10°	1003.7	645.2	1408.7	2628.3	3731.5	3541.8	1857.9	4279.2	4175.6	4860.2	2991.1
7.5°	3486.1	4343.0	5281.6	6411.1	9188.0	12618.5	14466.3	16640.7	20405.8	23597.2	27311.6
5°	6362.7	8799.7	11858.5	15016.6	19534.7	24421.3	29874.9	35676.5	41190.1	48105.5	54289.2
2.5°	10613.8	14298.4	19246.4	24019.2	30496.1	36903.4	44967.4	53755.8	61234.7	69488.9	74980.1
0°	16560.0	21782.0	29132.0	36516.0	45650.0	54202.0	64811.0	75680.0	85942.0	98642.9	107358.9
-2.5°	20955.4	27439.7	35247.0	44377.0	54158.2	63935.7	75204.8	87518.4	99019.1	111846.7	123481.1
-5°	25005.0	32147.7	40237.3	49401.8	59015.3	68646.7	79525.7	91817.1	104476.5	115451.4	125543.6
-7.5°	28566.0	36111.4	44470.4	53613.5	63376.5	74020.7	85896.6	98679.0	109993.2	121212.1	130756.2
-10°	31504.3	39425.9	48120.3	57799.9	68499.5	79793.7	92275.1	105504.5	117588.4	129422.0	139582.5
-12.5°	33835.2	42008.4	51008.7	60973.9	72318.6	84846.4	98232.2	111801.3	124745.9	137915.7	147820.0
-15°	35606.4	43897.0	53045.1	63686.4	75980.5	89105.5	102647.2	117148.0	131433.4	144267.8	155506.2
-17.5°	36681.1	45215.0	54920.9	65789.0	78223.8	91661.6	105665.1	120150.0	135383.0	149602.5	160968.9
-20°	37106.0	46204.6	56031.3	66835.1	79025.6	92478.8	106747.1	121652.8	137346.0	151332.6	163356.8



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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°	37502.8	46293.4	55988.7	66917.6	78942.4	91983.4	105934.8	121305.2	136650.3	150337.3	162770.3
-25°	37287.9	45657.9	55166.0	65846.6	77512.4	90345.2	104389.5	119186.7	133342.7	147120.4	158727.0
-27.5°	36455.4	44665.6	53714.8	63799.9	74834.5	87248.5	100807.1	114844.6	128087.6	141506.5	151757.8
-30°	34967.0	43020.9	51687.6	61022.2	71452.8	82910.1	95402.4	108071.9	120777.4	132751.2	142224.9
-32.5°	33747.7	40779.9	48962.7	57779.9	67283.2	77724.4	88679.3	100216.9	111865.6	122146.1	131139.8
-35°	32082.5	38618.7	45726.7	53933.8	62771.4	72063.8	81680.9	91884.7	102229.3	111062.2	119440.9
-37.5°	30024.2	36106.0	42610.6	49499.6	57464.3	65991.0	74532.4	83368.3	92029.2	99989.8	107558.6
-40°	27823.5	33185.6	39091.2	45372.6	52088.5	59042.7	66857.1	74672.2	81914.8	88889.2	95612.4
-42.5°	25455.5	30250.1	35285.3	40899.8	46902.2	53148.6	59579.9	66058.9	72278.1	78387.3	83899.0
-45°	23100.6	27335.2	31768.5	36593.7	41512.8	47034.6	52742.2	58327.9	63563.7	68732.1	73180.1
-47.5°	20895.7	24517.5	28503.8	32643.9	37006.0	41602.5	46159.0	50611.8	55305.0	59765.2	63185.2
-50°	18730.8	21940.3	25413.6	28916.7	32609.5	36576.8	40700.4	44401.2	48040.6	51674.7	54262.6
-52.5°	16562.7	19358.6	22384.3	25458.4	28563.0	31707.7	34840.2	38043.8	41207.7	44238.5	46208.5
-55°	14695.8	16929.0	19289.0	21995.1	24761.3	27487.6	30153.5	32796.3	35342.2	37777.1	39142.1
-57.5°	12897.7	14736.5	16681.1	18852.8	21140.8	23522.0	25786.4	27953.3	30122.2	32169.3	33172.6
-60°	11194.5	12742.7	14398.8	16078.4	17806.1	19573.6	21557.7	23446.2	25234.3	26766.5	27667.8
-62.5°	9574.9	10893.7	12249.6	13622.0	15018.3	16477.0	17980.0	19490.0	20991.4	22250.3	23040.6
-65°	8056.4	9157.5	10231.1	11338.2	12475.6	13677.4	14854.2	16025.8	17181.3	18085.6	18668.3
-67.5°	6571.9	7468.6	8346.7	9213.3	10125.7	11084.4	12048.0	12987.0	13896.3	14565.9	15028.0
-70°	5229.4	5909.3	6619.0	7362.6	8126.5	8869.8	9605.8	10339.6	11064.7	11583.2	11961.9
-72.5°	4033.4	4549.9	5087.4	5674.6	6272.0	6876.6	7469.1	8042.3	8594.3	8984.1	9301.3
-75°	2967.0	3357.8	3790.9	4227.1	4663.9	5119.9	5583.5	6043.0	6495.3	6779.0	7000.2
-77.5°	2118.3	2421.7	2730.9	3042.7	3355.5	3682.8	4012.5	4338.9	4660.0	4885.2	5086.4
-80°	1505.4	1708.5	1917.1	2128.3	2341.2	2564.8	2791.0	3017.1	3241.6	3383.4	3510.4
-82.5°	1071.6	1202.8	1337.8	1474.8	1613.3	1757.1	1900.3	2042.3	2182.4	2272.8	2358.0
-85°	796.3	880.2	966.2	1053.5	1141.8	1243.1	1346.1	1449.8	1553.9	1614.7	1673.3
-87.5°	636.9	693.9	751.7	810.2	869.2	932.1	995.2	1058.4	1121.5	1165.5	1209.0
-90°	54.0	50.3	46.5	42.8	39.0	35.0	31.0	27.0	23.0	19.5	16.0



REPORT NUMBER: P1212084 (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°	928.0	959.0	965.5	972.0	965.5	959.0	928.0	897.0	866.0	835.0	792.0
87.5°	12.5	9.0	6.5	4.0	6.5	9.0	12.5	16.0	19.5	23.0	27.0
85°	12.5	9.0	6.5	4.0	6.5	9.0	12.5	16.1	19.6	23.1	26.9
82.5°	11.6	8.1	6.0	4.0	6.0	8.1	11.6	15.2	18.7	22.3	26.3
80°	11.7	8.1	6.0	4.0	6.0	8.1	11.7	15.2	18.8	22.4	26.4
77.5°	11.8	8.2	6.0	4.0	6.0	8.2	11.8	15.3	18.9	22.6	26.6
75°	11.9	8.2	5.6	3.0	5.6	8.2	11.9	15.5	19.1	22.8	26.9
72.5°	12.0	8.3	5.6	3.0	5.6	8.3	12.0	15.7	19.3	23.1	27.1
70°	11.9	8.4	5.7	3.0	5.7	8.4	11.9	15.4	18.9	22.7	26.9
67.5°	11.4	7.6	4.7	2.0	4.7	7.6	11.4	15.2	18.9	22.9	27.1
65°	11.6	7.7	4.3	1.0	4.3	7.7	11.6	15.4	19.2	23.4	27.7
62.5°	11.8	7.9	4.4	1.0	4.4	7.9	11.8	15.7	19.6	23.9	28.3
60°	12.1	8.1	4.5	1.0	4.5	8.1	12.1	16.1	20.1	24.5	29.0
57.5°	12.4	8.3	4.2	0.0	4.2	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	5.2	0.0	5.2	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	38.8
37.5°	17.1	11.4	5.7	0.0	5.7	11.4	17.1	22.8	29.0	35.0	41.0
35°	18.7	12.5	6.2	1.0	6.2	12.5	18.7	25.0	31.2	37.1	43.7
32.5°	22.1	15.0	7.5	1.0	7.5	15.0	22.1	28.9	35.3	41.4	47.6
30°	24.6	16.4	8.0	1.0	8.0	16.4	24.6	32.8	41.0	47.3	52.9
27.5°	25.2	17.1	9.5	3.0	9.5	17.1	25.2	33.9	43.0	50.8	58.6
25°	25.1	16.7	8.4	3.0	8.4	16.7	25.1	33.7	42.5	51.7	60.7
22.5°	26.6	18.0	9.1	5.0	9.1	18.0	26.6	34.6	42.9	51.9	61.2
20°	29.5	21.0	12.7	8.0	12.7	21.0	29.5	38.0	45.6	53.6	62.6
17.5°	38.7	28.9	19.5	15.0	19.5	28.9	38.7	43.4	52.5	59.9	71.9
15°	72.2	60.8	49.5	46.0	49.5	60.8	72.2	76.1	91.2	95.4	113.5
12.5°	168.8	150.8	139.8	124.5	139.8	150.8	168.8	298.1	267.7	381.8	373.7
10°	4452.6	4507.9	5056.6	3602.0	5056.6	4507.9	4452.6	2991.1	4860.2	4175.6	4279.2
7.5°	30202.4	33836.8	35287.3	34739.0	35287.3	33836.8	30202.4	27311.6	23597.2	20405.8	16640.7
5°	60977.5	67203.4	68996.9	69778.0	68996.9	67203.4	60977.5	54289.2	48105.5	41190.1	35676.5
2.5°	82585.5	88033.8	89915.3	90975.0	89915.3	88033.8	82585.5	74980.1	69488.9	61234.7	53755.8
0°	117270.4	124578.9	126857.9	127328.9	126857.9	124578.9	117270.4	107358.9	98642.9	85942.0	75680.0
-2.5°	134457.3	142391.7	145295.8	145266.9	145295.8	142391.7	134457.3	123481.1	111846.7	99019.1	87518.4
-5°	134756.1	140857.6	142993.6	143882.9	142993.6	140857.6	134756.1	125543.6	115451.4	104476.5	91817.1
-7.5°	139379.5	144625.5	146059.4	146073.9	146059.4	144625.5	139379.5	130756.2	121212.1	109993.2	98679.0
-10°	147465.7	152665.4	154060.5	154082.9	154060.5	152665.4	147465.7	139582.5	129422.0	117588.4	105504.5
-12.5°	156097.2	161795.5	164033.2	164515.9	164033.2	161795.5	156097.2	147820.0	137915.7	124745.9	111801.3
-15°	164333.0	170353.5	173383.2	174182.9	173383.2	170353.5	164333.0	155506.2	144267.8	131433.4	117148.0
-17.5°	170175.1	177390.7	180950.8	182198.9	180950.8	177390.7	170175.1	160968.9	149602.5	135383.0	120150.0
-20°	172929.1	180955.0	184553.5	185817.9	184553.5	180955.0	172929.1	163356.8	151332.6	137346.0	121652.8



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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°	171847.2	179255.2	183553.2	185269.9	183553.2	179255.2	171847.2	162770.3	150337.3	136650.3	121305.2
-25°	168104.2	174776.6	179242.1	180414.9	179242.1	174776.6	168104.2	158727.0	147120.4	133342.7	119186.7
-27.5°	161239.4	167102.6	171451.3	173029.9	171451.3	167102.6	161239.4	151757.8	141506.5	128087.6	114844.6
-30°	151178.3	156618.9	161107.0	161587.9	161107.0	156618.9	151178.3	142224.9	132751.2	120777.4	108071.9
-32.5°	138752.5	143878.6	148063.5	148213.9	148063.5	143878.6	138752.5	131139.8	122146.1	111865.6	100216.9
-35°	125761.0	129852.8	133012.4	134538.9	133012.4	129852.8	125761.0	119440.9	111062.2	102229.3	91884.7
-37.5°	112668.9	116348.9	119093.0	120177.9	119093.0	116348.9	112668.9	107558.6	99989.8	92029.2	83368.3
-40°	99681.1	102855.8	105110.6	106108.9	105110.6	102855.8	99681.1	95612.4	88889.2	81914.8	74672.2
-42.5°	87207.9	90082.6	92021.0	92599.9	92021.0	90082.6	87207.9	83899.0	78387.3	72278.1	66058.9
-45°	75928.3	78258.3	79578.1	79616.0	79578.1	78258.3	75928.3	73180.1	68732.1	63563.7	58327.9
-47.5°	65439.5	67372.9	68552.7	68898.0	68552.7	67372.9	65439.5	63185.2	59765.2	55305.0	50611.8
-50°	56066.2	57589.9	58506.8	58836.0	58506.8	57589.9	56066.2	54262.6	51674.7	48040.6	44401.2
-52.5°	47708.3	48953.2	49649.8	49882.0	49649.8	48953.2	47708.3	46208.5	44238.5	41207.7	38043.8
-55°	40374.2	41484.4	42239.5	42670.0	42239.5	41484.4	40374.2	39142.1	37777.1	35342.2	32796.3
-57.5°	33986.3	34619.7	35265.2	35845.0	35265.2	34619.7	33986.3	33172.6	32169.3	30122.2	27953.3
-60°	28454.9	29125.6	29561.9	29837.0	29561.9	29125.6	28454.9	27667.8	26766.5	25234.3	23446.2
-62.5°	23749.3	24367.9	24727.7	24931.0	24727.7	24367.9	23749.3	23040.6	22250.3	20991.4	19490.0
-65°	19180.8	19620.5	19942.6	20178.0	19942.6	19620.5	19180.8	18668.3	18085.6	17181.3	16025.8
-67.5°	15438.0	15793.9	16011.8	16158.0	16011.8	15793.9	15438.0	15028.0	14565.9	13896.3	12987.0
-70°	12297.8	12590.5	12716.2	12782.0	12716.2	12590.5	12297.8	11961.9	11583.2	11064.7	10339.6
-72.5°	9594.0	9859.0	9926.2	9942.0	9926.2	9859.0	9594.0	9301.3	8984.1	8594.3	8042.3
-75°	7196.7	7369.1	7407.2	7415.0	7407.2	7369.1	7196.7	7000.2	6779.0	6495.3	6043.0
-77.5°	5275.9	5452.2	5462.3	5448.0	5462.3	5452.2	5275.9	5086.4	4885.2	4660.0	4338.9
-80°	3629.6	3740.4	3768.6	3785.0	3768.6	3740.4	3629.6	3510.4	3383.4	3241.6	3017.1
-82.5°	2439.9	2518.4	2531.8	2540.0	2531.8	2518.4	2439.9	2358.0	2272.8	2182.4	2042.3
-85°	1730.4	1785.8	1783.6	1779.0	1783.6	1785.8	1730.4	1673.3	1614.7	1553.9	1449.8
-87.5°	1252.1	1294.6	1303.2	1311.0	1303.2	1294.6	1252.1	1209.0	1165.5	1121.5	1058.4
-90°	12.5	9.0	6.5	4.0	6.5	9.0	12.5	16.0	19.5	23.0	27.0



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	749.0	706.0	663.0	627.5	592.0	556.5	521.0	494.5	468.0	441.5	415.0
87.5°	31.0	35.0	39.0	43.0	47.0	50.9	54.9	58.8	62.8	66.8	70.7
85°	30.7	34.5	38.3	42.4	46.4	50.5	54.5	58.7	62.9	67.1	71.2
82.5°	30.3	34.3	38.3	42.3	46.3	50.4	54.4	58.6	62.8	67.0	71.3
80°	30.5	34.5	38.5	42.6	46.6	50.6	54.7	58.7	62.7	66.7	70.9
77.5°	30.7	34.8	38.8	42.9	47.0	51.0	55.0	59.1	63.1	67.1	71.1
75°	31.0	35.1	39.2	43.3	47.4	51.5	55.5	59.5	63.6	67.6	71.6
72.5°	31.1	35.2	39.4	43.7	47.9	52.0	56.1	60.1	64.1	68.2	72.2
70°	31.1	35.1	39.4	43.8	48.2	52.6	56.7	60.8	64.8	68.8	72.8
67.5°	31.4	35.6	40.0	44.5	48.9	53.3	57.5	61.5	65.6	69.6	73.6
65°	32.0	36.3	40.8	45.3	49.7	54.2	58.3	62.4	66.5	70.5	74.2
62.5°	32.7	37.1	41.6	46.2	50.7	55.1	59.3	63.4	67.5	71.4	75.1
60°	33.5	38.0	42.6	47.2	51.8	56.1	60.3	64.5	68.6	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	40.0	44.7	49.5	54.3	58.6	62.8	67.0	71.1	74.8	78.5
52.5°	36.4	41.1	45.7	50.2	55.0	59.8	64.3	68.5	72.6	76.4	80.0
50°	37.7	42.6	47.3	51.7	56.4	61.1	65.7	70.1	74.2	78.2	81.9
47.5°	39.1	44.2	49.4	54.1	58.4	62.9	67.5	71.8	75.9	79.9	83.8
45°	40.6	45.6	50.5	55.7	60.7	65.1	69.5	73.7	77.8	81.7	85.6
42.5°	42.3	47.4	52.4	57.4	62.4	67.2	71.7	75.9	79.9	83.8	87.4
40°	44.2	49.5	54.7	59.9	64.8	69.6	74.2	78.6	82.4	85.9	89.4
37.5°	46.6	51.8	57.5	62.9	67.7	72.2	76.8	81.2	85.3	88.4	91.5
35°	49.7	55.3	61.0	66.5	71.4	75.9	79.7	84.0	88.0	91.3	93.9
32.5°	53.4	59.2	65.3	70.6	75.5	80.3	83.9	87.0	90.8	94.1	96.8
30°	58.4	63.4	68.8	74.9	79.6	84.3	89.0	91.4	94.3	97.1	99.7
27.5°	63.9	68.7	73.2	77.8	83.7	88.4	92.7	96.4	98.4	100.8	102.9
25°	67.9	73.9	78.3	82.1	86.7	92.4	96.6	100.5	103.2	105.0	106.7
22.5°	70.4	77.7	83.6	87.0	90.8	95.9	100.8	104.4	108.3	110.1	111.1
20°	72.4	81.4	88.3	96.7	96.9	99.6	105.0	113.5	118.0	116.7	115.7
17.5°	84.1	86.4	107.6	118.6	110.5	105.8	126.5	136.3	133.1	124.5	120.6
15°	113.3	140.0	153.0	151.8	188.9	186.4	167.7	167.0	153.7	136.3	158.3
12.5°	529.0	241.2	274.1	791.5	572.6	356.0	243.7	205.2	283.4	357.5	337.4
10°	1857.9	3541.8	3731.5	2628.3	1408.7	645.2	1003.7	1056.0	920.8	737.2	556.5
7.5°	14466.3	12618.5	9188.0	6411.1	5281.6	4343.0	3486.1	2410.2	1674.8	1174.2	804.4
5°	29874.9	24421.3	19534.7	15016.6	11858.5	8799.7	6362.7	3938.5	2501.5	1644.9	1081.0
2.5°	44967.4	36903.4	30496.1	24019.2	19246.4	14298.4	10613.8	7175.7	5289.2	4047.5	3051.4
0°	64811.0	54202.0	45650.0	36516.0	29132.0	21782.0	16560.0	11779.0	8973.0	6831.0	5036.0
-2.5°	75204.8	63935.7	54158.2	44377.0	35247.0	27439.7	20955.4	15627.3	11955.0	8969.5	6686.1
-5°	79525.7	68646.7	59015.3	49401.8	40237.3	32147.7	25005.0	19127.2	14694.6	10997.9	8240.9
-7.5°	85896.6	74020.7	63376.5	53613.5	44470.4	36111.4	28566.0	22158.5	17118.5	13021.0	9896.4
-10°	92275.1	79793.7	68499.5	57799.9	48120.3	39425.9	31504.3	24687.6	19195.3	14783.2	11375.9
-12.5°	98232.2	84846.4	72318.6	60973.9	51008.7	42008.4	33835.2	26670.4	20870.7	16237.6	12643.6
-15°	102647.2	89105.5	75980.5	63686.4	53045.1	43897.0	35606.4	28102.8	22128.2	17316.8	13670.0
-17.5°	105665.1	91661.6	78223.8	65789.0	54920.9	45215.0	36681.1	29160.3	23012.7	18033.2	14285.9
-20°	106747.1	92478.8	79025.6	66835.1	56031.3	46204.6	37106.0	29542.0	23391.9	18497.6	14623.1



REPORT NUMBER: P1212084 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	105934.8	91983.4	78942.4	66917.6	55988.7	46293.4	37502.8	29767.5	23174.5	18543.8	14676.3
-25°	104389.5	90345.2	77512.4	65846.6	55166.0	45657.9	37287.9	29747.4	23418.5	18291.0	14475.7
-27.5°	100807.1	87248.5	74834.5	63799.9	53714.8	44665.6	36455.4	29171.3	23334.5	18308.2	14236.5
-30°	95402.4	82910.1	71452.8	61022.2	51687.6	43020.9	34967.0	28549.9	22923.2	18044.4	14119.4
-32.5°	88679.3	77724.4	67283.2	57779.9	48962.7	40779.9	33747.7	27456.2	22059.3	17611.6	13948.4
-35°	81680.9	72063.8	62771.4	53933.8	45726.7	38618.7	32082.5	26142.9	21054.6	16888.3	13560.7
-37.5°	74532.4	65991.0	57464.3	49499.6	42610.6	36106.0	30024.2	24639.7	19833.7	16145.5	13030.2
-40°	66857.1	59042.7	52088.5	45372.6	39091.2	33185.6	27823.5	22883.6	18789.5	15219.9	12329.3
-42.5°	59579.9	53148.6	46902.2	40899.8	35285.3	30250.1	25455.5	21220.2	17497.0	14281.0	11624.2
-45°	52742.2	47034.6	41512.8	36593.7	31768.5	27335.2	23100.6	19406.3	16105.1	13305.5	10805.8
-47.5°	46159.0	41602.5	37006.0	32643.9	28503.8	24517.5	20895.7	17527.6	14763.3	12221.8	10041.9
-50°	40700.4	36576.8	32609.5	28916.7	25413.6	21940.3	18730.8	15830.4	13379.5	11203.0	9206.6
-52.5°	34840.2	31707.7	28563.0	25458.4	22384.3	19358.6	16562.7	14232.3	12081.7	10146.3	8382.8
-55°	30153.5	27487.6	24761.3	21995.1	19289.0	16929.0	14695.8	12658.5	10792.4	9047.8	7560.4
-57.5°	25786.4	23522.0	21140.8	18852.8	16681.1	14736.5	12897.7	11116.2	9524.6	8080.2	6722.0
-60°	21557.7	19573.6	17806.1	16078.4	14398.8	12742.7	11194.5	9724.4	8341.2	7099.8	5935.3
-62.5°	17980.0	16477.0	15018.3	13622.0	12249.6	10893.7	9574.9	8360.6	7203.5	6110.9	5133.1
-65°	14854.2	13677.4	12475.6	11338.2	10231.1	9157.5	8056.4	7023.5	6058.0	5149.5	4315.5
-67.5°	12048.0	11084.4	10125.7	9213.3	8346.7	7468.6	6571.9	5708.2	4943.9	4238.0	3574.8
-70°	9605.8	8869.8	8126.5	7362.6	6619.0	5909.3	5229.4	4575.6	3947.6	3373.3	2849.0
-72.5°	7469.1	6876.6	6272.0	5674.6	5087.4	4549.9	4033.4	3528.6	3036.7	2560.1	2151.4
-75°	5583.5	5119.9	4663.9	4227.1	3790.9	3357.8	2967.0	2602.1	2247.0	1903.3	1593.2
-77.5°	4012.5	3682.8	3355.5	3042.7	2730.9	2421.7	2118.3	1841.1	1602.1	1373.5	1168.8
-80°	2791.0	2564.8	2341.2	2128.3	1917.1	1708.5	1505.4	1317.0	1135.7	976.3	844.2
-82.5°	1900.3	1757.1	1613.3	1474.8	1337.8	1202.8	1071.6	954.8	841.6	732.4	630.8
-85°	1346.1	1243.1	1141.8	1053.5	966.2	880.2	796.3	726.6	659.1	594.0	532.6
-87.5°	995.2	932.1	869.2	810.2	751.7	693.9	636.9	593.2	550.3	508.2	467.0
-90°	31.0	35.0	39.0	42.8	46.5	50.3	54.0	58.0	62.0	66.0	70.0



REPORT NUMBER: P1212084 (CONVERTED FROM TYPE C PHOTOMETRY)

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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°	396.8	378.5	360.3	342.0	327.8	313.5	299.3	285.0	267.5	250.0	232.5
87.5°	74.5	78.2	81.9	85.6	88.9	92.3	95.6	99.0	101.5	104.0	106.5
85°	74.9	78.7	82.4	86.1	89.4	92.6	95.8	99.1	101.6	104.1	106.6
82.5°	75.1	78.9	82.6	86.3	89.5	92.8	96.0	99.2	101.7	104.2	106.6
80°	74.9	78.9	82.8	86.5	89.8	93.0	96.2	99.4	102.0	104.5	106.9
77.5°	75.1	79.1	83.1	86.8	90.1	93.3	96.5	99.6	102.3	104.8	107.3
75°	75.6	79.6	83.5	87.2	90.4	93.6	96.8	99.8	102.5	105.2	107.7
72.5°	76.2	80.1	84.1	87.6	90.8	94.0	97.2	100.1	102.8	105.4	108.1
70°	76.8	80.8	84.7	88.2	91.3	94.5	97.6	100.5	103.1	105.7	108.3
67.5°	77.6	81.5	85.5	88.7	91.9	95.0	98.1	100.9	103.5	106.1	108.6
65°	78.1	82.2	86.2	89.4	92.5	95.6	98.7	101.3	103.9	106.4	109.0
62.5°	78.8	82.6	86.5	90.0	93.2	96.2	99.3	101.9	104.3	106.8	109.3
60°	79.8	83.5	87.0	90.5	93.9	97.0	99.9	102.6	105.0	107.3	109.7
57.5°	81.0	84.6	88.1	91.3	94.5	97.7	100.7	103.3	105.7	107.9	110.1
55°	82.2	85.7	89.3	92.6	95.6	98.6	101.5	104.2	106.6	108.7	110.4
52.5°	83.5	87.0	90.5	93.9	97.0	99.6	102.3	105.1	107.4	109.5	111.0
50°	85.2	88.4	91.8	95.2	98.5	100.9	103.2	105.9	108.4	110.4	111.6
47.5°	87.3	90.2	93.3	96.5	99.8	102.2	104.4	106.8	109.4	111.3	112.2
45°	89.1	92.3	95.0	98.0	101.0	103.4	105.6	107.8	110.3	112.1	112.9
42.5°	90.9	94.2	97.1	99.5	102.3	104.7	106.7	108.8	111.2	112.9	113.5
40°	92.8	96.0	99.1	101.5	103.7	106.0	108.0	109.9	112.1	113.7	114.3
37.5°	94.8	97.9	100.9	103.5	105.4	107.5	109.3	111.0	113.0	114.5	115.0
35°	96.9	99.9	102.6	105.3	107.3	109.1	110.8	112.1	114.1	115.4	115.8
32.5°	99.2	102.0	104.5	106.9	109.3	110.9	112.3	113.9	115.3	116.4	116.7
30°	101.9	104.3	106.5	108.5	111.2	112.7	114.3	116.0	116.7	117.5	117.5
27.5°	105.0	106.7	108.7	110.4	112.7	114.7	117.0	118.2	118.2	118.7	118.4
25°	108.3	109.6	111.1	112.5	114.3	118.6	120.0	120.7	120.0	119.9	119.4
22.5°	112.0	112.8	113.7	114.8	119.3	122.9	123.3	123.3	122.1	121.3	120.4
20°	116.1	116.1	119.3	126.4	126.3	127.5	127.0	126.1	124.3	122.7	121.5
17.5°	120.4	135.2	142.0	141.1	135.6	132.6	131.0	129.0	126.6	124.1	122.5
15°	186.0	182.3	170.5	158.6	146.5	138.2	135.2	131.9	129.0	125.6	125.0
12.5°	288.4	240.0	203.5	178.2	158.5	144.1	139.6	135.0	131.4	129.5	129.2
10°	410.1	305.9	240.0	199.5	171.4	150.4	144.1	143.8	141.0	135.3	133.5
7.5°	545.0	377.3	278.7	221.7	209.2	196.6	182.3	165.5	152.1	141.2	137.9
5°	912.9	764.5	636.3	506.1	384.9	289.5	228.0	188.2	163.4	147.2	142.3
2.5°	2264.9	1655.7	1207.9	841.8	566.7	385.5	274.7	211.2	174.8	153.1	146.7
0°	3626.0	2552.0	1782.0	1178.0	748.0	481.0	321.0	234.0	186.0	159.0	151.0
-2.5°	4971.8	3575.8	2547.3	1761.6	1174.3	777.7	510.5	347.3	247.6	191.4	168.2
-5°	6239.9	4545.8	3276.3	2319.2	1583.3	1062.7	693.1	456.5	307.3	223.0	185.1
-7.5°	7533.6	5529.8	4001.0	2850.0	1965.4	1328.8	864.1	558.9	363.4	253.1	201.4
-10°	8714.5	6467.3	4731.0	3410.9	2386.6	1617.9	1031.3	651.4	414.6	281.1	216.9
-12.5°	9720.4	7274.0	5370.5	3908.6	2779.8	1921.6	1261.3	790.9	468.3	306.4	231.4
-15°	10525.5	7928.8	5904.6	4332.6	3124.1	2188.0	1466.4	942.0	575.3	350.5	244.6
-17.5°	11074.8	8413.6	6320.0	4673.4	3412.9	2411.9	1643.0	1072.5	669.7	417.0	274.5
-20°	11372.5	8731.7	6618.9	4922.9	3640.8	2588.5	1787.5	1179.7	749.5	475.4	315.4



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	11501.0	8927.5	6834.1	5140.2	3814.3	2713.8	1897.1	1261.4	813.0	524.7	351.6
-25°	11435.5	8986.0	6928.1	5272.0	3936.1	2828.5	1979.8	1315.4	859.0	563.9	382.8
-27.5°	11327.7	8930.6	6902.8	5318.5	3984.0	2895.0	2035.5	1366.8	893.5	592.3	408.3
-30°	11112.2	8804.2	6860.1	5290.9	3967.5	2922.0	2052.3	1393.6	926.0	618.3	427.9
-32.5°	10954.3	8534.9	6739.7	5219.4	3940.8	2908.2	2048.2	1393.7	942.6	640.5	446.7
-35°	10731.9	8339.9	6521.7	5070.0	3882.8	2887.9	2040.5	1366.4	942.6	653.8	462.5
-37.5°	10320.7	8144.3	6283.2	4893.8	3771.9	2830.9	2027.9	1374.8	925.7	657.8	473.6
-40°	9924.6	7840.2	6065.9	4715.3	3655.0	2737.4	1984.2	1378.0	914.1	652.5	479.9
-42.5°	9369.8	7458.4	5840.5	4497.0	3510.8	2652.8	1916.1	1359.1	924.7	649.6	481.4
-45°	8782.7	7011.7	5552.3	4332.0	3333.6	2533.0	1867.7	1323.4	922.2	645.4	480.0
-47.5°	8106.7	6563.3	5222.3	4087.9	3158.4	2395.6	1793.1	1296.9	903.3	635.4	476.9
-50°	7470.5	6056.0	4841.4	3825.3	2952.5	2275.9	1702.6	1249.4	891.6	630.4	469.7
-52.5°	6829.0	5510.4	4443.5	3524.5	2763.8	2126.7	1616.1	1184.5	864.5	620.2	458.7
-55°	6157.6	4972.8	4029.5	3230.0	2547.3	1980.8	1505.7	1125.4	822.5	603.1	444.4
-57.5°	5532.2	4444.0	3629.8	2921.9	2317.7	1811.2	1392.8	1048.4	779.5	577.0	432.1
-60°	4876.8	3969.7	3215.4	2601.2	2068.2	1629.6	1270.6	962.6	729.1	544.7	417.4
-62.5°	4242.1	3453.9	2797.7	2257.8	1813.8	1444.2	1135.5	880.3	668.3	514.0	398.4
-65°	3601.4	2942.5	2353.4	1932.1	1559.3	1249.0	1010.4	786.0	612.0	477.2	376.4
-67.5°	2958.2	2435.1	1967.2	1598.8	1311.3	1070.7	868.9	698.5	552.0	434.7	355.0
-70°	2370.5	1937.3	1582.4	1305.2	1074.7	884.7	746.3	610.0	485.6	401.4	331.3
-72.5°	1821.5	1515.2	1234.3	1008.8	866.1	737.2	623.0	521.6	437.9	365.8	305.6
-75°	1331.2	1131.8	951.0	798.4	684.9	586.9	523.6	457.7	387.7	327.7	289.4
-77.5°	1006.3	851.8	706.1	609.3	552.5	497.4	444.2	390.8	343.9	309.3	276.4
-80°	747.1	655.7	570.4	496.5	450.7	407.2	382.1	355.7	323.4	292.5	262.9
-82.5°	561.6	509.4	463.8	422.3	399.9	377.2	354.1	330.4	302.2	275.0	251.6
-85°	494.4	457.4	421.8	388.3	367.7	346.9	328.2	309.7	287.9	266.5	245.5
-87.5°	440.4	414.2	388.6	363.6	346.9	330.4	313.9	297.5	277.9	258.4	239.1
-90°	73.8	77.5	81.3	85.0	88.5	92.0	95.5	99.0	101.5	104.0	106.5



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	215.0	194.7	174.5	154.2	134.0	125.5	117.0
87.5°	109.0	110.6	112.1	113.6	115.1	116.0	117.0
85°	109.0	110.6	112.2	113.7	115.2	116.0	117.0
82.5°	109.1	110.7	112.3	113.8	115.3	116.1	117.0
80°	109.2	110.8	112.4	114.0	115.4	116.1	117.0
77.5°	109.5	111.0	112.6	114.1	115.5	116.1	117.0
75°	109.9	111.2	112.7	114.3	115.6	116.2	117.0
72.5°	110.2	111.5	112.9	114.4	115.7	116.2	117.0
70°	110.5	111.7	113.1	114.6	115.8	116.2	117.0
67.5°	110.7	112.0	113.2	114.7	115.9	116.3	117.0
65°	110.9	112.2	113.4	114.8	116.0	116.3	117.0
62.5°	111.1	112.4	113.6	114.9	116.0	116.3	117.0
60°	111.3	112.7	113.8	115.0	116.1	116.4	117.0
57.5°	111.6	112.9	114.0	115.1	116.2	116.4	117.0
55°	111.9	113.2	114.3	115.3	116.3	116.4	117.0
52.5°	112.3	113.5	114.5	115.4	116.3	116.4	117.0
50°	112.7	113.9	114.8	115.5	116.4	116.5	117.0
47.5°	113.1	114.2	115.1	115.7	116.5	116.5	117.0
45°	113.6	114.6	115.4	115.9	116.7	116.5	117.0
42.5°	114.2	115.0	115.7	116.2	116.8	116.6	117.0
40°	114.8	115.4	116.0	116.5	116.9	116.6	117.0
37.5°	115.3	115.8	116.4	116.8	117.1	116.6	117.0
35°	115.9	116.3	116.7	117.2	117.2	116.7	117.0
32.5°	116.5	116.8	117.1	117.6	117.4	116.7	117.0
30°	117.2	117.3	117.4	118.0	117.6	116.7	117.0
27.5°	117.9	117.8	118.2	118.5	117.8	116.7	117.0
25°	118.6	118.2	119.1	119.0	118.0	116.8	117.0
22.5°	119.3	119.1	120.1	119.4	118.2	116.8	117.0
20°	120.1	120.8	121.1	119.9	118.4	116.8	117.0
17.5°	122.1	122.7	122.2	120.5	118.6	116.8	117.0
15°	125.0	124.6	123.3	121.0	118.8	116.9	117.0
12.5°	127.9	126.7	124.4	121.5	119.0	116.9	117.0
10°	130.9	128.7	125.5	122.0	119.2	116.9	117.0
7.5°	134.0	130.8	126.7	122.5	119.4	116.9	117.0
5°	137.0	132.9	127.8	123.0	119.6	117.0	117.0
2.5°	140.0	135.0	128.9	123.5	119.8	117.0	117.0
0°	143.0	137.0	130.0	124.0	120.0	117.0	117.0
-2.5°	153.5	143.4	133.6	126.1	121.2	117.5	117.0
-5°	163.9	149.6	137.1	128.2	122.3	118.0	117.0
-7.5°	173.9	155.7	140.5	130.2	123.5	118.6	117.0
-10°	183.5	161.5	143.8	132.1	124.6	119.1	117.0
-12.5°	192.5	166.9	147.0	134.0	125.7	119.6	117.0
-15°	200.9	172.0	150.0	135.9	126.7	120.1	117.0
-17.5°	208.6	176.6	152.7	137.6	127.8	120.6	117.0
-20°	223.0	180.6	155.3	139.3	128.8	121.0	117.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	248.1	184.2	157.7	140.9	129.7	121.5	117.0
-25°	270.7	195.7	159.8	142.4	130.6	121.9	117.0
-27.5°	290.7	209.3	161.6	143.7	131.5	122.4	117.0
-30°	307.7	221.4	163.8	145.0	132.3	122.8	117.0
-32.5°	321.7	231.7	171.4	146.1	133.1	123.2	117.0
-35°	333.8	240.3	178.0	147.1	133.8	123.5	117.0
-37.5°	343.4	247.5	183.7	148.0	134.5	123.9	117.0
-40°	350.2	254.2	188.3	148.7	135.1	124.2	117.0
-42.5°	354.1	259.2	192.4	150.1	135.6	124.5	117.0
-45°	355.1	262.4	195.8	152.6	136.1	124.8	117.0
-47.5°	353.1	264.0	198.2	154.6	136.5	125.0	117.0
-50°	351.5	263.9	199.7	156.5	136.9	125.2	117.0
-52.5°	347.9	262.1	200.2	158.2	137.2	125.4	117.0
-55°	342.0	259.9	199.7	159.5	137.5	125.6	117.0
-57.5°	333.7	256.5	198.3	160.5	137.7	125.8	117.0
-60°	323.5	251.6	196.2	161.1	137.8	125.9	117.0
-62.5°	313.3	245.4	195.7	161.4	137.8	126.0	117.0
-65°	301.2	237.9	194.6	161.5	137.8	126.0	117.0
-67.5°	287.3	231.9	193.0	161.2	137.7	126.1	117.0
-70°	271.8	227.7	191.0	160.6	137.5	126.1	117.0
-72.5°	262.8	222.9	188.5	160.3	137.2	126.1	117.0
-75°	254.0	217.4	185.6	159.9	136.9	126.1	117.0
-77.5°	244.5	211.4	184.0	159.3	136.6	126.0	117.0
-80°	234.3	207.5	182.5	158.6	136.1	126.0	117.0
-82.5°	229.4	204.7	180.8	157.7	135.7	125.9	117.0
-85°	224.9	201.6	178.9	156.7	135.1	125.8	117.0
-87.5°	220.1	198.3	176.8	155.5	134.6	125.6	117.0
-90°	109.0	110.5	112.0	113.5	115.0	116.0	117.0

(END OF REPORT)