

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: P1212072 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS12-1000R-40-70-2S-ECV**

Issue Date: 11/14/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P1212072 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2509-549-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/14/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: EPHESUS  
Catalog Number: EPH-LS12-1000R-40-70-2S-ECV  
Description: EPHESUS LS12 LUMINAIRE  
(12) 4000K, 70 CRI LEDS AND 2S BEAM SHAPE WITH EXTREME CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

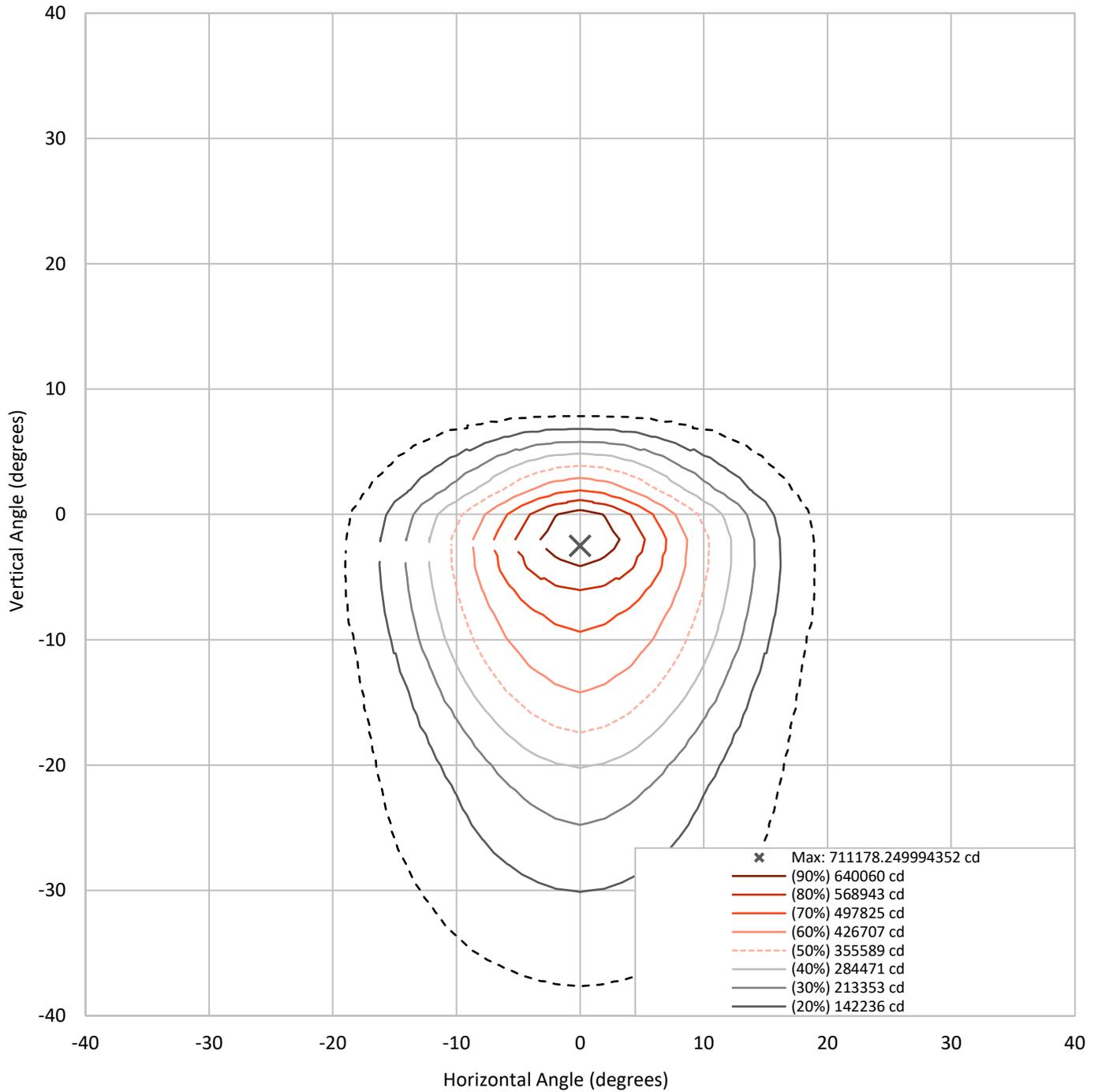
Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	129342.8 lumens	Max Intensity:	711178.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -2.5°V
Efficacy:	120.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.83' x L: 0.79' x H: 0')		
Beam Angle (50%):	21.2°H x 21.4°V	Field Angle (10%):	38°H x 45.2°V
Beam Lumens:	48442.3 lumens	Field Lumens:	101988.3 lumens
Beam Efficiency:	37.5%	Field Efficiency:	78.9%

Input Watts (W): 1078.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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





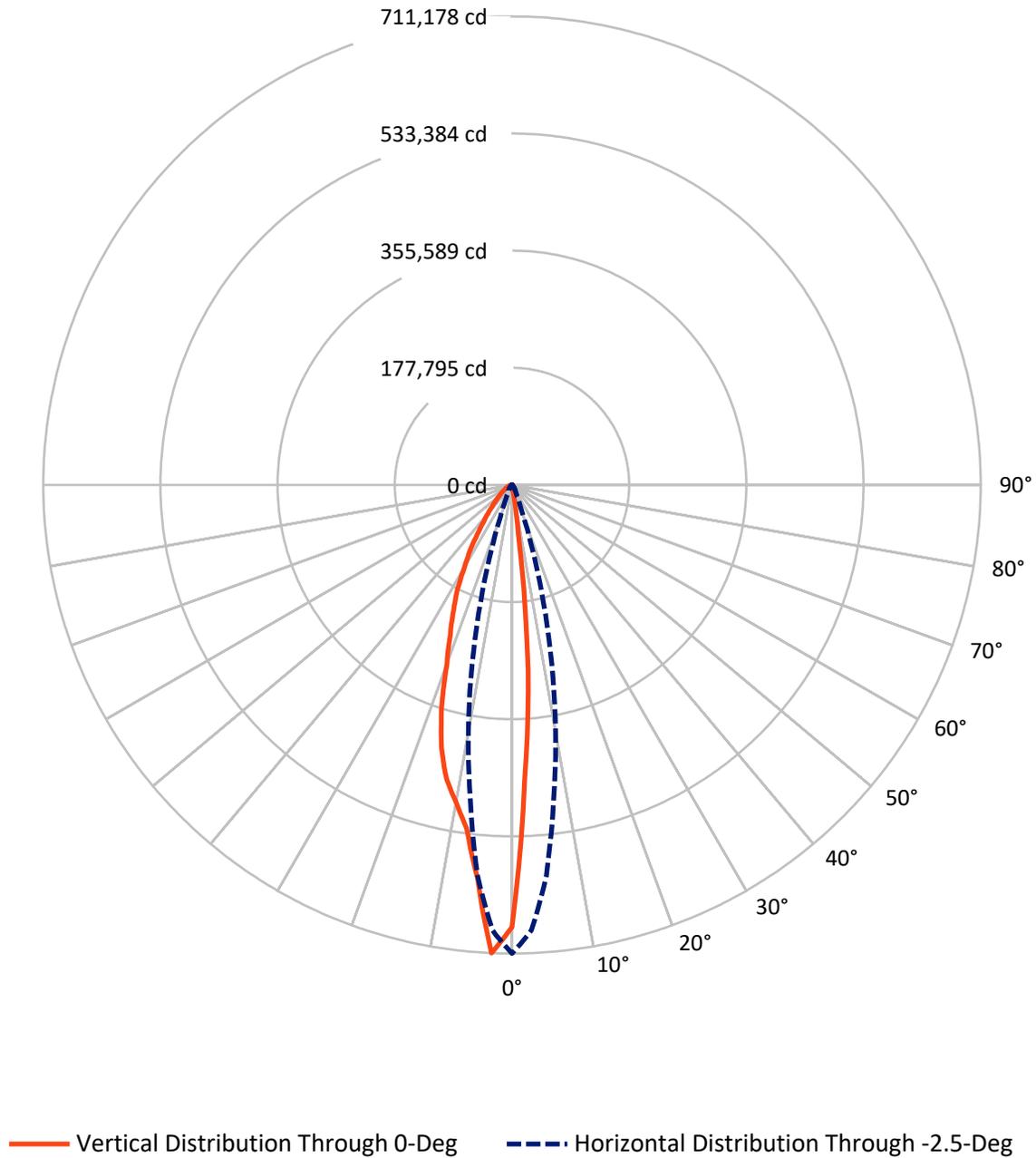
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### Lumen Table

90	2.0	5.4	6.4	5.6	4.3	5.6	6.4	5.4	2.0										
80	2.0	1.1	1.3	1.4	1.3	1.0	0.6	0.2	0.2	0.6	1.0	1.3	1.4	1.3	1.1	2.0			
70	2.0	1.1	1.4	1.5	1.4	1.1	0.7	0.2	0.2	0.7	1.1	1.4	1.5	1.4	1.1	2.0			
60	2.0	1.2	1.4	1.6	1.5	1.2	0.8	0.3	0.3	0.8	1.2	1.5	1.6	1.4	1.2	2.0			
50	2.0	1.2	1.5	1.7	1.7	1.5	1.0	0.4	0.4	1.0	1.5	1.7	1.7	1.5	1.2	2.0			
40	2.1	1.3	1.6	1.9	2.1	2.2	1.6	0.6	0.6	1.6	2.2	2.1	1.9	1.6	1.3	2.1			
30	2.1	1.4	2.0	2.9	4.1	6.4	6.9	8.8	8.8	6.9	6.4	4.1	2.9	2.0	1.4	2.1			
20	2.4	1.7	4.7	16.1	52.3	209.2	2045.2	6813.5	6813.5	2045.2	209.2	52.3	16.1	4.7	1.7	2.4			
10	2.4	3.2	19.1	68.1	200.5	656.0	5376.3	15368.5	15368.5	5376.3	656.0	200.5	68.1	19.1	3.2	2.4			
0	3.2	5.7	32.0	115.4	293.4	776.4	3632.4	10349.8	10349.8	3632.4	776.4	293.4	115.4	32.0	5.7	3.2			
-10	3.2	7.5	35.4	117.9	315.6	772.2	2251.9	5396.9	5396.9	2251.9	772.2	315.6	117.9	35.4	7.5	3.2			
-20	4.0	7.8	34.1	102.0	271.2	614.6	1361.0	2526.5	2526.5	1361.0	614.6	271.2	102.0	34.1	7.8	4.0			
-30	4.0	7.2	29.0	81.5	188.7	393.9	735.9	1061.8	1061.8	735.9	393.9	188.7	81.5	29.0	7.2	4.0			
-40	4.0	5.7	20.6	57.0	122.3	224.6	375.0	496.7	496.7	375.0	224.6	122.3	57.0	20.6	5.7	4.0			
-50	4.0	4.3	11.2	30.3	64.1	112.2	171.6	213.2	213.2	171.6	112.2	64.1	30.3	11.2	4.3	4.0			
-60	3.5	16.9	50.5	129.4	187.8	129.4	50.5	16.9	3.5							3.5			
-70	3.5	16.9	50.5	129.4	187.8	129.4	50.5	16.9	3.5							3.5			
-80	3.5	16.9	50.5	129.4	187.8	129.4	50.5	16.9	3.5							3.5			
-90	3.5	16.9	50.5	129.4	187.8	129.4	50.5	16.9	3.5							3.5			

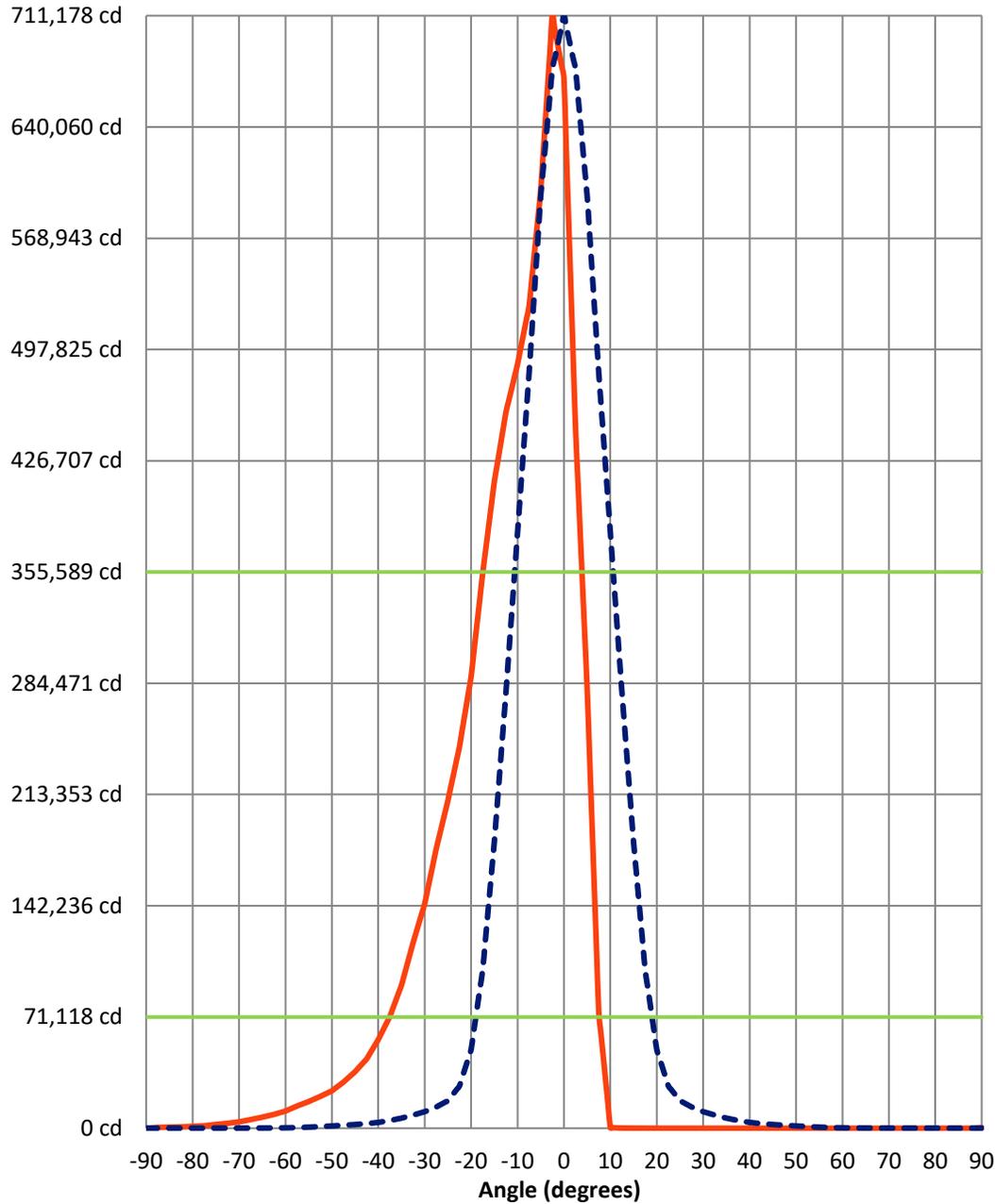
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
H Angle: 21.2°  
V Angle: 21.4°  
Lumens: 48442.3  
Efficiency: 37.5%

**Field:**  
H Angle: 38°  
V Angle: 45.2°  
Lumens: 101988.3  
Efficiency: 78.9%

**Spill:**  
Lumens: 27354.5  
Efficiency: 21.1%

— Vertical Distribution through 0-Deg  
- - Horizontal Distribution through -2.5-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°	99.0	105.0	111.0	127.0	143.0	159.0	175.0	188.2	201.5	214.7	228.0
87.5°	99.0	98.5	98.0	96.5	95.0	93.5	92.0	90.0	88.0	86.0	84.0
85°	99.0	98.5	98.0	96.5	95.0	93.5	92.0	90.1	88.1	86.1	84.1
82.5°	99.0	98.5	98.0	96.5	95.1	93.6	92.1	90.1	88.1	86.1	84.2
80°	99.0	98.5	98.0	96.6	95.1	93.6	92.1	90.2	88.2	86.2	84.3
77.5°	99.0	98.5	98.0	96.6	95.1	93.7	92.2	90.3	88.4	86.4	84.4
75°	99.0	98.5	98.0	96.7	95.2	93.7	92.3	90.4	88.5	86.6	84.6
72.5°	99.0	98.5	98.0	96.7	95.3	93.8	92.4	90.6	88.7	86.8	84.8
70°	99.0	98.5	98.1	96.8	95.4	93.9	92.5	90.8	88.9	87.0	85.1
67.5°	99.0	98.5	98.1	96.8	95.4	94.1	92.7	91.0	89.1	87.2	85.4
65°	99.0	98.5	98.1	96.9	95.6	94.2	92.8	91.2	89.4	87.5	85.7
62.5°	99.0	98.6	98.1	97.0	95.7	94.3	93.0	91.5	89.7	87.9	86.0
60°	99.0	98.6	98.1	97.1	95.8	94.5	93.2	91.8	90.0	88.2	86.4
57.5°	99.0	98.6	98.2	97.2	95.9	94.6	93.4	92.1	90.3	88.6	86.8
55°	99.0	98.6	98.2	97.3	96.1	94.8	93.6	92.3	90.7	89.0	87.3
52.5°	99.0	98.6	98.3	97.4	96.2	95.0	93.8	92.6	91.1	89.4	87.8
50°	99.0	98.6	98.3	97.5	96.4	95.2	94.0	92.9	91.5	89.9	88.4
47.5°	99.0	98.6	98.4	97.7	96.6	95.4	94.3	93.3	92.0	90.4	89.2
45°	99.0	98.6	98.4	97.8	96.7	95.7	94.7	93.7	92.4	91.2	90.0
42.5°	99.0	98.7	98.5	98.0	96.9	95.9	95.0	94.1	92.9	92.0	90.8
40°	99.0	98.7	98.5	98.1	97.1	96.1	95.4	94.6	93.5	92.9	91.5
37.5°	99.0	98.7	98.6	98.2	97.3	96.4	95.9	95.1	94.3	93.7	92.2
35°	99.0	98.7	98.7	98.4	97.5	96.7	96.3	95.7	95.1	94.4	93.0
32.5°	99.0	98.7	98.8	98.6	97.8	97.1	96.8	96.2	95.9	95.2	94.0
30°	99.0	98.7	98.9	98.8	98.0	97.5	97.3	96.9	96.6	96.1	95.2
27.5°	99.0	98.8	99.0	99.0	98.4	97.9	97.8	97.6	97.4	97.1	96.5
25°	99.0	98.8	99.0	99.2	98.9	98.3	98.3	98.3	98.3	98.2	98.0
22.5°	99.0	98.8	99.1	99.5	99.4	98.9	98.9	98.9	99.2	99.5	99.6
20°	99.0	98.8	99.2	99.8	99.9	99.8	99.5	99.6	100.1	100.8	101.3
17.5°	99.0	98.8	99.3	100.0	100.5	100.8	100.6	100.3	101.1	102.2	103.0
15°	99.0	98.9	99.4	100.3	101.1	101.8	102.3	101.8	102.1	103.7	104.7
12.5°	99.0	98.9	99.5	100.6	101.8	102.8	104.0	104.2	104.4	105.2	106.4
10°	99.0	98.9	99.6	100.9	102.4	103.9	105.8	106.7	107.9	109.2	110.0
7.5°	99.0	98.9	99.7	101.2	103.1	104.9	107.6	109.3	111.4	113.7	117.8
5°	99.0	99.0	99.8	101.5	103.7	106.0	109.4	111.9	115.0	118.2	125.8
2.5°	99.0	99.0	99.9	101.7	104.4	107.0	111.2	114.5	118.5	122.6	134.0
0°	99.0	99.0	100.0	102.0	105.0	108.0	113.0	117.0	122.0	127.0	142.0
-2.5°	99.0	99.3	100.8	103.4	107.1	111.4	118.6	124.8	133.4	147.2	179.4
-5°	99.0	99.7	101.6	104.7	109.2	114.8	124.1	132.6	144.6	166.8	215.6
-7.5°	99.0	100.0	102.3	106.1	111.2	118.0	129.3	140.1	155.4	185.5	249.4
-10°	99.0	100.3	103.1	107.4	113.2	121.2	134.4	147.3	165.7	202.8	280.0
-12.5°	99.0	100.6	103.8	108.6	115.1	124.2	139.1	154.3	175.5	221.2	327.9
-15°	99.0	100.9	104.5	109.9	116.9	127.0	143.5	160.8	191.1	258.1	380.3
-17.5°	99.0	101.2	105.2	111.1	118.7	129.7	147.4	171.8	213.6	290.6	425.2
-20°	99.0	101.5	105.9	112.2	120.3	132.1	152.9	185.4	233.6	318.0	461.7



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 CATALOG NUMBER: EPH-LS12-1000R-40-70-2S-ECV

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	99.0	101.8	106.6	113.3	121.9	134.3	161.0	197.7	250.7	339.8	489.0
-25°	99.0	102.1	107.2	114.3	123.4	138.8	168.3	208.4	264.7	355.2	506.2
-27.5°	99.0	102.4	107.8	115.2	124.7	144.1	174.7	217.3	275.2	367.1	524.0
-30°	99.0	102.7	108.3	116.1	126.2	148.9	180.3	224.4	284.6	379.2	532.9
-32.5°	99.0	102.9	108.9	116.9	129.6	153.2	184.8	230.6	292.6	386.3	532.3
-35°	99.0	103.1	109.4	117.6	132.7	157.0	189.5	235.6	297.9	388.1	521.9
-37.5°	99.0	103.4	109.8	118.3	135.4	160.4	193.8	239.2	300.4	384.5	527.9
-40°	99.0	103.6	110.2	118.9	137.9	163.7	197.3	241.4	300.0	382.3	529.9
-42.5°	99.0	103.8	110.6	119.7	140.1	166.5	200.0	242.1	299.6	383.5	520.5
-45°	99.0	104.0	110.9	121.2	142.1	168.7	202.0	242.6	298.7	378.6	502.0
-47.5°	99.0	104.2	111.2	122.5	143.7	170.4	203.1	243.8	295.8	367.0	486.7
-50°	99.0	104.3	111.4	123.7	145.1	171.6	204.2	243.9	290.4	359.2	462.5
-52.5°	99.0	104.5	111.6	124.8	146.1	172.2	204.6	243.0	285.8	347.2	431.8
-55°	99.0	104.6	111.8	125.8	146.8	172.7	204.2	241.1	281.0	331.0	410.5
-57.5°	99.0	104.7	111.9	126.7	147.3	172.8	203.2	239.2	274.3	319.4	384.1
-60°	99.0	104.8	112.0	127.3	147.4	172.5	201.5	235.4	266.6	307.8	358.4
-62.5°	99.0	104.9	112.1	127.9	147.9	171.7	199.9	230.5	260.2	294.2	340.5
-65°	99.0	105.0	112.2	128.3	148.2	170.5	197.7	225.4	252.9	283.8	320.3
-67.5°	99.0	105.1	112.2	128.6	148.3	169.6	195.0	220.8	244.9	273.7	305.0
-70°	99.0	105.1	112.2	128.7	148.2	169.1	191.7	215.9	239.1	262.7	291.4
-72.5°	99.0	105.2	112.2	128.9	147.9	168.3	190.0	210.7	232.9	255.4	278.2
-75°	99.0	105.2	112.1	128.9	147.4	167.3	188.3	207.2	226.3	247.7	269.5
-77.5°	99.0	105.2	112.0	128.9	147.0	166.0	186.2	204.1	222.0	240.5	260.3
-80°	99.0	105.2	111.8	128.7	146.5	164.8	183.8	200.7	217.6	235.1	252.9
-82.5°	99.0	105.1	111.7	128.4	145.8	163.6	181.9	197.4	213.0	229.3	245.9
-85°	99.0	105.1	111.5	128.1	145.0	162.3	179.8	194.5	209.3	224.3	239.3
-87.5°	99.0	105.1	111.2	127.6	144.1	160.7	177.5	191.5	205.5	219.6	233.8
-90°	99.0	98.5	98.0	96.5	95.0	93.5	92.0	90.0	88.0	86.0	84.0



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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°	235.5	243.0	250.5	258.0	263.0	268.0	273.0	278.0	284.8	291.5	298.3
87.5°	81.4	78.8	76.1	73.5	70.4	67.4	64.4	61.3	58.0	54.7	51.3
85°	81.4	78.6	75.9	73.3	70.3	67.4	64.5	61.5	58.3	54.9	51.5
82.5°	81.6	79.0	76.4	74.0	71.1	68.2	65.3	62.2	58.6	55.0	51.5
80°	81.8	79.4	76.8	74.1	71.1	68.0	64.8	61.7	58.2	54.6	51.1
77.5°	82.0	79.4	76.7	73.8	70.8	67.9	64.9	61.9	58.5	54.9	51.4
75°	82.2	79.4	76.9	74.4	71.7	68.7	65.5	62.3	58.9	55.4	51.8
72.5°	82.5	80.0	77.5	75.2	72.3	68.9	65.7	62.6	59.4	55.9	52.3
70°	82.9	80.5	78.0	75.2	72.2	69.1	66.3	63.2	60.0	56.5	52.9
67.5°	83.3	80.8	78.1	75.4	73.0	70.2	67.2	63.9	60.7	57.1	53.6
65°	83.7	81.1	78.6	76.3	74.1	71.1	67.9	64.7	61.4	57.9	54.4
62.5°	84.2	81.7	79.4	77.2	74.8	71.8	68.5	65.2	62.1	58.8	55.2
60°	84.6	82.4	80.1	77.8	75.3	72.2	68.9	65.9	62.9	59.7	56.2
57.5°	85.0	83.0	80.8	78.3	75.6	72.7	69.8	66.8	63.8	60.8	57.2
55°	85.6	83.7	81.4	78.8	76.1	73.5	70.7	67.8	64.8	61.8	58.4
52.5°	86.2	84.4	82.1	79.5	77.0	74.5	71.8	68.9	65.9	62.9	59.7
50°	86.9	85.0	82.9	80.5	78.1	75.7	72.9	70.1	67.3	64.3	61.1
47.5°	87.6	85.7	83.8	81.6	79.4	76.9	74.1	71.7	69.0	65.6	62.4
45°	88.3	86.5	84.7	83.0	80.8	78.2	75.8	73.7	70.1	66.9	64.0
42.5°	89.1	87.3	85.9	84.6	82.1	79.7	77.5	74.5	71.5	68.9	65.7
40°	89.8	88.2	87.2	85.7	83.5	81.3	78.7	75.8	73.7	70.8	67.6
37.5°	90.7	89.4	88.4	86.7	85.0	82.7	80.0	77.8	75.6	72.8	69.5
35°	91.5	90.7	89.4	87.9	86.2	84.2	81.8	79.8	77.5	74.8	71.7
32.5°	92.6	92.0	90.5	89.2	87.6	85.7	83.7	81.9	79.5	76.8	74.0
30°	94.0	93.0	91.7	90.7	89.0	87.4	85.7	84.1	81.7	79.1	76.7
27.5°	95.7	94.1	93.1	92.1	90.5	89.2	88.0	86.2	83.9	81.6	80.0
25°	97.5	96.4	94.6	93.5	92.3	91.3	90.3	88.5	86.3	85.0	83.6
22.5°	99.5	99.1	98.0	95.0	94.2	93.5	92.5	91.3	90.0	89.0	87.6
20°	101.7	102.2	101.7	99.8	97.3	95.7	94.9	94.5	94.9	95.0	94.1
17.5°	104.2	105.5	105.8	105.9	106.4	103.5	97.6	98.3	100.4	102.5	107.4
15°	106.9	109.0	110.2	113.1	117.6	121.2	121.5	112.6	106.9	112.5	125.7
12.5°	109.7	112.6	115.0	121.1	130.4	142.6	156.6	168.5	170.9	153.3	151.6
10°	112.6	116.3	119.9	129.7	144.4	166.8	197.3	234.6	276.7	313.0	337.6
7.5°	125.0	130.5	131.9	138.7	159.3	192.9	241.7	307.8	396.6	492.6	609.0
5°	139.2	156.9	182.6	221.3	284.0	337.9	373.7	389.9	524.8	684.4	904.6
2.5°	153.7	184.1	235.4	318.1	484.4	674.2	878.3	1097.4	1346.3	1655.1	2002.6
0°	168.0	211.0	288.0	415.0	686.0	1013.0	1387.0	1811.0	2306.0	2995.0	3788.0
-2.5°	236.9	319.4	461.9	724.0	1118.8	1489.9	1935.6	2410.6	2946.4	3768.3	4973.6
-5°	303.1	423.9	628.5	1017.1	1531.2	1952.4	2463.0	2988.2	3610.3	4587.0	6057.2
-7.5°	364.6	521.9	782.7	1271.7	1865.7	2379.1	3009.1	3715.0	4488.1	5552.0	7047.0
-10°	423.7	625.4	921.7	1426.1	2087.3	2749.5	3511.9	4375.7	5299.0	6436.2	7939.2
-12.5°	502.7	732.1	1047.2	1555.9	2264.9	3057.5	3944.7	4951.9	6028.7	7229.0	8704.4
-15°	572.5	826.3	1157.6	1658.5	2391.7	3290.3	4295.0	5428.6	6591.8	7720.2	9154.1
-17.5°	631.6	906.1	1251.6	1731.6	2461.7	3437.0	4501.8	5583.7	6862.3	8084.8	9552.1
-20°	679.0	970.1	1327.7	1773.2	2481.6	3439.3	4431.9	5560.1	6926.1	8351.7	9788.7



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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°	713.5	1016.7	1389.2	1835.6	2500.8	3363.5	4322.6	5411.5	6801.3	8497.1	10059.4
-25°	739.6	1052.5	1435.3	1893.3	2495.5	3267.8	4174.6	5156.4	6527.8	8432.6	10377.4
-27.5°	757.5	1070.5	1462.8	1921.4	2469.5	3175.4	4027.6	4955.0	6301.9	8138.7	10452.4
-30°	761.3	1079.1	1468.7	1923.9	2464.1	3121.8	3877.4	4853.0	6012.3	7714.5	9866.1
-32.5°	760.9	1072.9	1461.8	1912.0	2435.3	3047.7	3787.0	4750.0	5854.2	7129.9	9075.7
-35°	761.8	1069.1	1438.3	1874.0	2372.9	2982.6	3716.7	4581.1	5636.8	6793.3	8342.8
-37.5°	760.1	1052.6	1394.6	1818.3	2304.9	2893.4	3586.8	4402.9	5363.2	6510.3	7813.7
-40°	745.5	1023.3	1355.0	1748.7	2220.6	2775.2	3432.3	4187.0	5055.9	6137.5	7406.5
-42.5°	719.9	992.2	1308.2	1659.0	2121.7	2643.5	3229.6	3941.4	4755.4	5700.8	6829.5
-45°	695.3	946.0	1248.2	1594.0	2000.6	2487.2	3039.9	3653.0	4432.4	5264.6	6234.1
-47.5°	656.8	888.5	1177.1	1506.9	1879.8	2318.9	2821.0	3419.4	4089.0	4855.3	5654.3
-50°	610.4	825.4	1086.1	1398.9	1753.3	2144.0	2598.8	3155.0	3776.3	4445.5	5177.1
-52.5°	569.2	746.6	988.5	1268.8	1601.5	1970.9	2383.9	2874.7	3437.0	4046.1	4706.4
-55°	517.8	676.7	878.1	1132.1	1424.5	1768.0	2162.6	2596.6	3070.5	3624.7	4208.6
-57.5°	474.7	601.5	774.0	986.7	1246.3	1539.9	1907.1	2303.6	2732.3	3194.1	3689.2
-60°	435.4	532.2	670.2	850.0	1060.6	1328.0	1632.5	1983.1	2366.1	2770.4	3202.8
-62.5°	394.9	472.7	575.9	713.0	893.4	1109.2	1374.3	1667.6	1980.8	2330.6	2701.8
-65°	368.2	414.6	491.6	597.4	722.2	909.4	1122.9	1356.9	1627.9	1904.5	2195.6
-67.5°	338.2	378.0	424.1	484.6	590.1	727.6	874.8	1071.6	1285.4	1501.7	1727.6
-70°	318.4	341.5	377.3	421.0	477.5	569.6	695.9	830.1	973.9	1141.7	1334.9
-72.5°	300.1	320.8	342.3	364.5	410.6	475.5	549.6	632.3	741.9	872.8	1009.0
-75°	285.8	300.0	318.3	337.8	365.3	400.4	441.6	504.3	581.0	666.4	754.6
-77.5°	274.6	287.5	300.5	313.6	333.2	360.7	390.9	423.7	469.1	521.6	577.1
-80°	264.4	274.7	286.3	298.0	313.6	331.3	350.5	370.9	402.0	439.3	481.3
-82.5°	256.3	266.0	275.7	285.2	296.2	307.8	320.4	335.2	359.4	385.8	413.3
-85°	248.4	257.2	266.3	275.3	284.0	293.0	302.4	312.1	328.4	345.7	363.7
-87.5°	242.0	250.2	258.3	266.5	273.1	279.8	286.6	293.5	304.4	315.5	326.9
-90°	81.5	79.0	76.5	74.0	71.0	68.0	65.0	62.0	58.5	55.0	51.5



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	305.0	315.5	326.0	336.5	347.0	361.3	375.5	389.8	404.0	420.0	436.0
87.5°	48.0	44.5	41.0	37.5	34.0	30.5	27.0	23.5	20.0	16.8	13.5
85°	48.1	44.6	41.1	37.6	34.1	30.6	27.1	23.6	20.1	16.8	13.5
82.5°	47.9	44.3	40.7	37.1	33.5	30.2	26.8	23.5	20.2	16.7	13.1
80°	47.6	44.1	40.5	37.0	33.5	30.2	26.9	23.6	20.3	16.8	13.2
77.5°	47.9	44.4	40.8	37.3	33.7	30.4	27.1	23.8	20.5	16.9	13.3
75°	48.3	44.8	41.2	37.7	34.1	30.6	27.1	23.5	19.9	16.4	13.0
72.5°	48.8	45.2	41.7	38.1	34.5	30.9	27.5	24.1	20.7	17.2	13.6
70°	49.4	45.8	42.2	38.6	34.9	31.4	27.8	24.2	20.5	16.9	13.4
67.5°	50.0	46.4	42.8	39.2	35.5	31.8	28.3	24.7	21.2	17.7	14.0
65°	50.8	47.1	43.5	39.8	36.1	32.4	28.8	25.1	21.4	17.6	13.9
62.5°	51.6	48.0	44.3	40.6	36.8	33.0	29.2	25.4	21.5	17.7	14.1
60°	52.5	48.9	45.2	41.4	37.6	33.8	29.9	26.0	22.1	18.2	14.5
57.5°	53.6	49.9	46.2	42.4	38.5	34.6	30.7	26.7	22.7	18.6	14.9
55°	54.7	51.0	47.2	43.4	39.5	35.6	31.5	27.5	23.4	19.2	15.3
52.5°	56.0	52.3	48.5	44.6	40.6	36.6	32.5	28.3	24.1	19.9	15.8
50°	57.4	53.6	49.8	45.9	41.9	37.8	33.6	29.3	25.0	20.6	16.4
47.5°	58.9	55.2	51.3	47.3	43.2	39.1	34.8	30.4	26.0	21.4	17.0
45°	60.6	56.8	52.9	48.9	44.8	40.5	36.1	31.6	27.1	22.4	17.7
42.5°	62.3	58.6	54.7	50.7	46.5	42.1	37.6	33.0	28.3	23.4	18.5
40°	64.2	60.6	56.7	52.7	48.4	43.9	39.3	34.6	29.7	24.6	19.5
37.5°	66.2	62.7	59.2	55.2	50.7	45.9	41.4	36.5	31.3	26.0	20.6
35°	68.4	65.4	62.2	57.8	53.3	48.9	44.2	38.9	33.1	28.1	22.6
32.5°	71.2	68.4	64.8	61.0	56.9	52.7	47.6	43.6	38.2	33.2	28.0
30°	74.4	71.5	69.3	65.5	61.8	58.4	55.5	52.4	48.7	43.4	36.1
27.5°	77.8	77.1	75.8	71.3	68.9	66.9	66.4	64.2	58.5	52.2	40.3
25°	82.4	84.1	80.8	78.5	77.7	78.5	76.3	72.4	60.5	48.2	34.6
22.5°	87.9	87.8	86.7	86.9	89.0	89.4	83.5	72.5	53.6	36.5	25.7
20°	92.4	92.4	95.2	101.8	103.9	105.1	91.7	68.2	46.0	38.7	34.2
17.5°	107.6	100.8	113.2	130.8	135.4	118.1	97.7	68.9	56.0	54.1	50.6
15°	136.3	146.5	160.1	169.6	173.3	151.2	112.3	100.9	94.6	99.4	100.4
12.5°	180.4	220.9	275.4	310.9	230.0	198.1	210.5	190.8	192.0	191.8	197.0
10°	354.8	318.8	449.8	623.1	830.8	954.2	442.3	795.7	1401.3	1579.4	872.6
7.5°	846.2	1155.3	1372.7	1436.2	1867.8	3647.1	6237.5	9017.8	16410.8	28945.5	37471.1
5°	1412.0	2202.5	3031.1	3970.2	5196.4	8007.8	15490.8	32830.4	56096.0	93598.2	137048.9
2.5°	2669.2	3851.2	5100.7	6810.8	9008.6	12869.9	25006.4	55121.5	97416.1	154303.5	211342.0
0°	4890.0	6857.0	8713.0	11792.0	15019.0	22835.0	43450.0	91351.1	157955.2	248423.2	337397.3
-2.5°	6488.7	8432.0	10621.1	13648.8	17643.5	27075.6	50312.4	101421.3	183110.4	278616.6	380782.4
-5°	7794.7	9937.8	12488.6	15720.3	20023.1	28566.9	51146.1	100191.0	178840.0	269069.5	364371.8
-7.5°	8859.8	11233.8	14098.5	17485.8	21962.3	30151.6	51074.3	96234.8	165899.9	252045.3	340697.0
-10°	9785.6	12251.2	15432.9	19105.7	23778.1	31098.9	46190.7	82813.7	147273.5	230694.4	313531.0
-12.5°	10724.6	13321.6	16465.0	20241.1	24814.4	32267.7	46500.3	75132.2	125977.0	196657.2	277811.4
-15°	11451.9	14226.1	17309.2	21349.9	26650.6	33673.3	44287.3	67528.2	107824.0	166332.7	236244.0
-17.5°	11805.4	14801.0	18267.5	22380.7	27523.2	34289.3	45193.6	62393.1	94739.4	142274.7	192250.7
-20°	11835.4	15125.2	18702.5	22886.7	28031.2	34423.6	43580.9	60283.1	85858.7	122744.1	162968.5



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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°	12097.8	15035.2	18638.6	22743.8	27893.6	33864.2	42507.6	57770.2	78122.2	107487.2	140561.9
-25°	12220.8	14641.4	18287.9	22526.8	27036.0	32888.7	42061.5	53976.6	72490.8	96131.6	124243.1
-27.5°	12308.0	14534.4	17600.2	21827.8	26221.4	31817.0	39758.8	49954.2	65848.1	84101.5	107738.0
-30°	12381.0	14372.5	17050.6	20408.5	25111.5	30405.8	36547.3	46052.9	58428.8	73128.8	91434.7
-32.5°	11650.8	14266.9	16421.0	19361.3	23177.2	28008.9	33668.3	41758.0	50951.1	62817.0	76796.3
-35°	10652.1	13298.1	15984.5	18484.6	21632.4	25478.3	30618.4	37216.5	44505.8	53853.3	64164.1
-37.5°	9507.0	11953.4	14613.0	17454.2	20214.1	23385.4	27697.3	32679.1	38361.0	45625.6	53251.9
-40°	8745.7	10338.0	12857.6	15483.8	18256.0	21470.4	24935.6	28725.3	33139.7	38401.6	43963.7
-42.5°	8145.6	9560.3	11081.4	13284.8	15825.0	18828.1	21979.0	25214.7	28819.0	32614.2	36365.7
-45°	7349.9	8764.3	10218.2	11706.1	13434.9	16013.0	18765.2	21637.4	24753.8	27860.0	30607.6
-47.5°	6669.0	7839.4	9176.1	10574.3	12124.9	13867.2	15780.7	18020.8	20709.7	23382.8	25529.6
-50°	6015.7	6966.7	8105.7	9329.0	10661.5	12094.7	13599.1	15546.1	17598.9	19628.2	21084.9
-52.5°	5424.2	6235.5	7099.2	8074.3	9224.4	10390.7	11610.8	13293.1	15021.7	16755.6	17837.3
-55°	4839.6	5528.0	6260.2	7090.9	7975.5	8894.7	9934.8	11241.7	12603.2	13995.5	14880.7
-57.5°	4242.1	4820.6	5443.2	6151.8	6882.9	7630.8	8475.7	9430.0	10428.5	11423.7	12133.4
-60°	3658.1	4134.0	4681.2	5267.1	5864.5	6470.3	7185.8	7919.7	8650.0	9316.7	9784.7
-62.5°	3094.2	3507.9	3950.6	4426.9	4930.0	5453.4	6017.3	6596.8	7184.2	7697.4	8049.9
-65°	2512.7	2862.4	3227.3	3599.7	3978.0	4400.8	4863.9	5327.4	5786.6	6177.6	6477.6
-67.5°	1984.0	2252.0	2533.8	2822.3	3130.5	3457.7	3807.8	4157.8	4504.4	4796.3	5039.5
-70°	1527.7	1721.8	1918.1	2127.8	2365.2	2629.0	2912.9	3184.6	3443.6	3637.5	3790.8
-72.5°	1149.8	1298.2	1457.8	1628.9	1796.6	1991.9	2209.7	2428.1	2645.4	2800.5	2928.7
-75°	845.4	949.4	1074.8	1202.0	1330.4	1480.5	1642.7	1806.7	1971.1	2079.4	2167.6
-77.5°	645.1	725.6	808.9	892.9	977.1	1073.6	1174.4	1275.8	1377.0	1450.7	1517.1
-80°	525.4	577.2	631.9	688.2	745.6	811.3	878.8	946.8	1014.7	1068.9	1120.6
-82.5°	442.0	476.3	512.2	549.1	586.8	632.0	678.1	724.3	770.6	809.0	846.4
-85°	382.3	405.1	428.5	452.3	476.3	507.4	539.1	570.9	602.9	629.9	656.5
-87.5°	338.5	354.1	370.0	386.0	402.2	422.8	443.5	464.3	485.0	504.8	524.6
-90°	48.0	44.5	41.0	37.5	34.0	30.5	27.0	23.5	20.0	16.8	13.5



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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°	452.0	468.0	469.5	471.0	469.5	468.0	452.0	436.0	420.0	404.0	389.8
87.5°	10.3	7.0	4.5	2.0	4.5	7.0	10.3	13.5	16.8	20.0	23.5
85°	10.3	7.0	4.5	2.0	4.5	7.0	10.3	13.5	16.8	20.1	23.6
82.5°	9.6	6.1	3.5	1.0	3.5	6.1	9.6	13.1	16.7	20.2	23.5
80°	9.7	6.1	3.5	1.0	3.5	6.1	9.7	13.2	16.8	20.3	23.6
77.5°	9.8	6.2	3.6	1.0	3.6	6.2	9.8	13.3	16.9	20.5	23.8
75°	9.6	6.2	3.6	1.0	3.6	6.2	9.6	13.0	16.4	19.9	23.5
72.5°	10.0	6.3	4.6	3.0	4.6	6.3	10.0	13.6	17.2	20.7	24.1
70°	9.9	6.4	3.7	1.0	3.7	6.4	9.9	13.4	16.9	20.5	24.2
67.5°	10.3	6.6	3.7	1.0	3.7	6.6	10.3	14.0	17.7	21.2	24.7
65°	10.3	6.7	3.8	1.0	3.8	6.7	10.3	13.9	17.6	21.4	25.1
62.5°	10.5	6.8	3.8	1.0	3.8	6.8	10.5	14.1	17.7	21.5	25.4
60°	10.7	7.0	3.9	1.0	3.9	7.0	10.7	14.5	18.2	22.1	26.0
57.5°	11.0	7.2	4.0	1.0	4.0	7.2	11.0	14.9	18.6	22.7	26.7
55°	11.4	7.4	3.7	0.0	3.7	7.4	11.4	15.3	19.2	23.4	27.5
52.5°	11.7	7.7	4.1	1.0	4.1	7.7	11.7	15.8	19.9	24.1	28.3
50°	12.2	8.0	3.9	0.0	3.9	8.0	12.2	16.4	20.6	25.0	29.3
47.5°	12.7	8.3	4.1	0.0	4.1	8.3	12.7	17.0	21.4	26.0	30.4
45°	13.2	8.7	4.5	1.0	4.5	8.7	13.2	17.7	22.4	27.1	31.6
42.5°	13.8	9.1	4.4	0.0	4.4	9.1	13.8	18.5	23.4	28.3	33.0
40°	14.5	9.6	4.9	1.0	4.9	9.6	14.5	19.5	24.6	29.7	34.6
37.5°	15.4	10.1	5.1	1.0	5.1	10.1	15.4	20.6	26.0	31.3	36.5
35°	16.9	11.1	5.4	1.0	5.4	11.1	16.9	22.6	28.1	33.1	38.9
32.5°	21.4	14.3	6.5	1.0	6.5	14.3	21.4	28.0	33.2	38.2	43.6
30°	27.8	18.8	8.9	0.0	8.9	18.8	27.8	36.1	43.4	48.7	52.4
27.5°	29.7	20.3	11.6	0.0	11.6	20.3	29.7	40.3	52.2	58.5	64.2
25°	22.8	13.6	6.2	7.0	6.2	13.6	22.8	34.6	48.2	60.5	72.4
22.5°	22.3	17.7	9.9	14.0	9.9	17.7	22.3	25.7	36.5	53.6	72.5
20°	31.9	26.7	22.1	19.0	22.1	26.7	31.9	34.2	38.7	46.0	68.2
17.5°	54.0	50.3	44.7	37.0	44.7	50.3	54.0	50.6	54.1	56.0	68.9
15°	99.0	92.7	85.1	78.0	85.1	92.7	99.0	100.4	99.4	94.6	100.9
12.5°	178.3	169.4	158.8	144.0	158.8	169.4	178.3	197.0	191.8	192.0	190.8
10°	1546.8	1852.0	2657.0	445.0	2657.0	1852.0	1546.8	872.6	1579.4	1401.3	795.7
7.5°	49466.4	67338.9	74106.3	74781.6	74106.3	67338.9	49466.4	37471.1	28945.5	16410.8	9017.8
5°	180408.6	235601.0	272252.3	281451.3	272252.3	235601.0	180408.6	137048.9	93598.2	56096.0	32830.4
2.5°	282592.7	360166.5	424165.8	447404.0	424165.8	360166.5	282592.7	211342.0	154303.5	97416.1	55121.5
0°	433073.9	533726.6	628287.6	671157.7	628287.6	533726.6	433073.9	337397.3	248423.2	157955.2	91351.1
-2.5°	483215.9	596119.0	676864.0	711178.2	676864.0	596119.0	483215.9	380782.4	278616.6	183110.4	101421.3
-5°	454693.2	532099.6	581415.7	599627.6	581415.7	532099.6	454693.2	364371.8	269069.5	178840.0	100191.0
-7.5°	422060.6	479578.1	514150.0	525832.5	514150.0	479578.1	422060.6	340697.0	252045.3	165899.9	96234.8
-10°	388830.3	447348.2	477109.2	488420.5	477109.2	447348.2	388830.3	313531.0	230694.4	147273.5	82813.7
-12.5°	350686.6	409234.6	442766.7	457701.0	442766.7	409234.6	350686.6	277811.4	196657.2	125977.0	75132.2
-15°	302391.7	360295.8	398358.7	413252.4	398358.7	360295.8	302391.7	236244.0	166332.7	107824.0	67528.2
-17.5°	250371.1	303156.3	339181.2	354902.4	339181.2	303156.3	250371.1	192250.7	142274.7	94739.4	62393.1
-20°	207719.9	249346.4	278830.9	288658.3	278830.9	249346.4	207719.9	162968.5	122744.1	85858.7	60283.1



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CATALOG NUMBER: EPH-LS12-1000R-40-70-2S-ECV

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	177695.5	209843.7	233631.2	244038.3	233631.2	209843.7	177695.5	140561.9	107487.2	78122.2	57770.2
-25°	154875.9	181111.9	202778.2	209438.2	202778.2	181111.9	154875.9	124243.1	96131.6	72490.8	53976.6
-27.5°	132947.2	153315.7	171220.8	178769.2	171220.8	153315.7	132947.2	107738.0	84101.5	65848.1	49954.2
-30°	110498.7	125703.2	139704.0	143531.1	139704.0	125703.2	110498.7	91434.7	73128.8	58428.8	46052.9
-32.5°	90512.6	102365.6	113232.3	118552.1	113232.3	102365.6	90512.6	76796.3	62817.0	50951.1	41758.0
-35°	73790.7	82150.2	89282.6	91458.1	89282.6	82150.2	73790.7	64164.1	53853.3	44505.8	37216.5
-37.5°	59641.0	65323.6	69943.7	71469.1	69943.7	65323.6	59641.0	53251.9	45625.6	38361.0	32679.1
-40°	48044.8	51704.9	54746.8	56718.1	54746.8	51704.9	48044.8	43963.7	38401.6	33139.7	28725.3
-42.5°	39023.6	41501.4	43394.2	44347.0	43394.2	41501.4	39023.6	36365.7	32614.2	28819.0	25214.7
-45°	32544.2	34355.8	35640.6	36186.0	35640.6	34355.8	32544.2	30607.6	27860.0	24753.8	21637.4
-47.5°	26989.7	28260.7	29116.7	29534.0	29116.7	28260.7	26989.7	25529.6	23382.8	20709.7	18020.8
-50°	22190.2	23217.8	23806.4	23954.0	23806.4	23217.8	22190.2	21084.9	19628.2	17598.9	15546.1
-52.5°	18663.6	19385.1	19944.9	20366.0	19944.9	19385.1	18663.6	17837.3	16755.6	15021.7	13293.1
-55°	15663.9	16365.3	16819.4	17090.0	16819.4	16365.3	15663.9	14880.7	13995.5	12603.2	11241.7
-57.5°	12806.0	13429.0	13892.8	14239.0	13892.8	13429.0	12806.0	12133.4	11423.7	10428.5	9430.0
-60°	10229.2	10641.9	10879.4	11019.0	10879.4	10641.9	10229.2	9784.7	9316.7	8650.0	7919.7
-62.5°	8370.8	8657.9	8784.8	8838.0	8784.8	8657.9	8370.8	8049.9	7697.4	7184.2	6596.8
-65°	6751.2	6996.9	7078.5	7098.0	7078.5	6996.9	6751.2	6477.6	6177.6	5786.6	5327.4
-67.5°	5267.5	5477.2	5539.3	5553.0	5539.3	5477.2	5267.5	5039.5	4796.3	4504.4	4157.8
-70°	3930.9	4057.4	4090.7	4099.0	4090.7	4057.4	3930.9	3790.8	3637.5	3443.6	3184.6
-72.5°	3049.9	3162.7	3176.6	3169.0	3176.6	3162.7	3049.9	2928.7	2800.5	2645.4	2428.1
-75°	2248.3	2321.3	2383.4	2438.0	2383.4	2321.3	2248.3	2167.6	2079.4	1971.1	1806.7
-77.5°	1580.1	1639.5	1633.9	1621.0	1633.9	1639.5	1580.1	1517.1	1450.7	1377.0	1275.8
-80°	1170.7	1219.0	1223.8	1225.0	1223.8	1219.0	1170.7	1120.6	1068.9	1014.7	946.8
-82.5°	883.2	919.0	924.9	929.0	924.9	919.0	883.2	846.4	809.0	770.6	724.3
-85°	682.8	708.7	718.7	728.0	718.7	708.7	682.8	656.5	629.9	602.9	570.9
-87.5°	544.2	563.6	564.9	566.0	564.9	563.6	544.2	524.6	504.8	485.0	464.3
-90°	10.3	7.0	4.5	2.0	4.5	7.0	10.3	13.5	16.8	20.0	23.5



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	375.5	361.3	347.0	336.5	326.0	315.5	305.0	298.3	291.5	284.8	278.0
87.5°	27.0	30.5	34.0	37.5	41.0	44.5	48.0	51.3	54.7	58.0	61.3
85°	27.1	30.6	34.1	37.6	41.1	44.6	48.1	51.5	54.9	58.3	61.5
82.5°	26.8	30.2	33.5	37.1	40.7	44.3	47.9	51.5	55.0	58.6	62.2
80°	26.9	30.2	33.5	37.0	40.5	44.1	47.6	51.1	54.6	58.2	61.7
77.5°	27.1	30.4	33.7	37.3	40.8	44.4	47.9	51.4	54.9	58.5	61.9
75°	27.1	30.6	34.1	37.7	41.2	44.8	48.3	51.8	55.4	58.9	62.3
72.5°	27.5	30.9	34.5	38.1	41.7	45.2	48.8	52.3	55.9	59.4	62.6
70°	27.8	31.4	34.9	38.6	42.2	45.8	49.4	52.9	56.5	60.0	63.2
67.5°	28.3	31.8	35.5	39.2	42.8	46.4	50.0	53.6	57.1	60.7	63.9
65°	28.8	32.4	36.1	39.8	43.5	47.1	50.8	54.4	57.9	61.4	64.7
62.5°	29.2	33.0	36.8	40.6	44.3	48.0	51.6	55.2	58.8	62.1	65.2
60°	29.9	33.8	37.6	41.4	45.2	48.9	52.5	56.2	59.7	62.9	65.9
57.5°	30.7	34.6	38.5	42.4	46.2	49.9	53.6	57.2	60.8	63.8	66.8
55°	31.5	35.6	39.5	43.4	47.2	51.0	54.7	58.4	61.8	64.8	67.8
52.5°	32.5	36.6	40.6	44.6	48.5	52.3	56.0	59.7	62.9	65.9	68.9
50°	33.6	37.8	41.9	45.9	49.8	53.6	57.4	61.1	64.3	67.3	70.1
47.5°	34.8	39.1	43.2	47.3	51.3	55.2	58.9	62.4	65.6	69.0	71.7
45°	36.1	40.5	44.8	48.9	52.9	56.8	60.6	64.0	66.9	70.1	73.7
42.5°	37.6	42.1	46.5	50.7	54.7	58.6	62.3	65.7	68.9	71.5	74.5
40°	39.3	43.9	48.4	52.7	56.7	60.6	64.2	67.6	70.8	73.7	75.8
37.5°	41.4	45.9	50.7	55.2	59.2	62.7	66.2	69.5	72.8	75.6	77.8
35°	44.2	48.9	53.3	57.8	62.2	65.4	68.4	71.7	74.8	77.5	79.8
32.5°	47.6	52.7	56.9	61.0	64.8	68.4	71.2	74.0	76.8	79.5	81.9
30°	55.5	58.4	61.8	65.5	69.3	71.5	74.4	76.7	79.1	81.7	84.1
27.5°	66.4	66.9	68.9	71.3	75.8	77.1	77.8	80.0	81.6	83.9	86.2
25°	76.3	78.5	77.7	78.5	80.8	84.1	82.4	83.6	85.0	86.3	88.5
22.5°	83.5	89.4	89.0	86.9	86.7	87.8	87.9	87.6	89.0	90.0	91.3
20°	91.7	105.1	103.9	101.8	95.2	92.4	92.4	94.1	95.0	94.9	94.5
17.5°	97.7	118.1	135.4	130.8	113.2	100.8	107.6	107.4	102.5	100.4	98.3
15°	112.3	151.2	173.3	169.6	160.1	146.5	136.3	125.7	112.5	106.9	112.6
12.5°	210.5	198.1	230.0	310.9	275.4	220.9	180.4	151.6	153.3	170.9	168.5
10°	442.3	954.2	830.8	623.1	449.8	318.8	354.8	337.6	313.0	276.7	234.6
7.5°	6237.5	3647.1	1867.8	1436.2	1372.7	1155.3	846.2	609.0	492.6	396.6	307.8
5°	15490.8	8007.8	5196.4	3970.2	3031.1	2202.5	1412.0	904.6	684.4	524.8	389.9
2.5°	25006.4	12869.9	9008.6	6810.8	5100.7	3851.2	2669.2	2002.6	1655.1	1346.3	1097.4
0°	43450.0	22835.0	15019.0	11792.0	8713.0	6857.0	4890.0	3788.0	2995.0	2306.0	1811.0
-2.5°	50312.4	27075.6	17643.5	13648.8	10621.1	8432.0	6488.7	4973.6	3768.3	2946.4	2410.6
-5°	51146.1	28566.9	20023.1	15720.3	12488.6	9937.8	7794.7	6057.2	4587.0	3610.3	2988.2
-7.5°	51074.3	30151.6	21962.3	17485.8	14098.5	11233.8	8859.8	7047.0	5552.0	4488.1	3715.0
-10°	46190.7	31098.9	23778.1	19105.7	15432.9	12251.2	9785.6	7939.2	6436.2	5299.0	4375.7
-12.5°	46500.3	32267.7	24814.4	20241.1	16465.0	13321.6	10724.6	8704.4	7229.0	6028.7	4951.9
-15°	44287.3	33673.3	26650.6	21349.9	17309.2	14226.1	11451.9	9154.1	7720.2	6591.8	5428.6
-17.5°	45193.6	34289.3	27523.2	22380.7	18267.5	14801.0	11805.4	9552.1	8084.8	6862.3	5583.7
-20°	43580.9	34423.6	28031.2	22886.7	18702.5	15125.2	11835.4	9788.7	8351.7	6926.1	5560.1



REPORT NUMBER: P1212072 (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°	42507.6	33864.2	27893.6	22743.8	18638.6	15035.2	12097.8	10059.4	8497.1	6801.3	5411.5
-25°	42061.5	32888.7	27036.0	22526.8	18287.9	14641.4	12220.8	10377.4	8432.6	6527.8	5156.4
-27.5°	39758.8	31817.0	26221.4	21827.8	17600.2	14534.4	12308.0	10452.4	8138.7	6301.9	4955.0
-30°	36547.3	30405.8	25111.5	20408.5	17050.6	14372.5	12381.0	9866.1	7714.5	6012.3	4853.0
-32.5°	33668.3	28008.9	23177.2	19361.3	16421.0	14266.9	11650.8	9075.7	7129.9	5854.2	4750.0
-35°	30618.4	25478.3	21632.4	18484.6	15984.5	13298.1	10652.1	8342.8	6793.3	5636.8	4581.1
-37.5°	27697.3	23385.4	20214.1	17454.2	14613.0	11953.4	9507.0	7813.7	6510.3	5363.2	4402.9
-40°	24935.6	21470.4	18256.0	15483.8	12857.6	10338.0	8745.7	7406.5	6137.5	5055.9	4187.0
-42.5°	21979.0	18828.1	15825.0	13284.8	11081.4	9560.3	8145.6	6829.5	5700.8	4755.4	3941.4
-45°	18765.2	16013.0	13434.9	11706.1	10218.2	8764.3	7349.9	6234.1	5264.6	4432.4	3653.0
-47.5°	15780.7	13867.2	12124.9	10574.3	9176.1	7839.4	6669.0	5654.3	4855.3	4089.0	3419.4
-50°	13599.1	12094.7	10661.5	9329.0	8105.7	6966.7	6015.7	5177.1	4445.5	3776.3	3155.0
-52.5°	11610.8	10390.7	9224.4	8074.3	7099.2	6235.5	5424.2	4706.4	4046.1	3437.0	2874.7
-55°	9934.8	8894.7	7975.5	7090.9	6260.2	5528.0	4839.6	4208.6	3624.7	3070.5	2596.6
-57.5°	8475.7	7630.8	6882.9	6151.8	5443.2	4820.6	4242.1	3689.2	3194.1	2732.3	2303.6
-60°	7185.8	6470.3	5864.5	5267.1	4681.2	4134.0	3658.1	3202.8	2770.4	2366.1	1983.1
-62.5°	6017.3	5453.4	4930.0	4426.9	3950.6	3507.9	3094.2	2701.8	2330.6	1980.8	1667.6
-65°	4863.9	4400.8	3978.0	3599.7	3227.3	2862.4	2512.7	2195.6	1904.5	1627.9	1356.9
-67.5°	3807.8	3457.7	3130.5	2822.3	2533.8	2252.0	1984.0	1727.6	1501.7	1285.4	1071.6
-70°	2912.9	2629.0	2365.2	2127.8	1918.1	1721.8	1527.7	1334.9	1141.7	973.9	830.1
-72.5°	2209.7	1991.9	1796.6	1628.9	1457.8	1298.2	1149.8	1009.0	872.8	741.9	632.3
-75°	1642.7	1480.5	1330.4	1202.0	1074.8	949.4	845.4	754.6	666.4	581.0	504.3
-77.5°	1174.4	1073.6	977.1	892.9	808.9	725.6	645.1	577.1	521.6	469.1	423.7
-80°	878.8	811.3	745.6	688.2	631.9	577.2	525.4	481.3	439.3	402.0	370.9
-82.5°	678.1	632.0	586.8	549.1	512.2	476.3	442.0	413.3	385.8	359.4	335.2
-85°	539.1	507.4	476.3	452.3	428.5	405.1	382.3	363.7	345.7	328.4	312.1
-87.5°	443.5	422.8	402.2	386.0	370.0	354.1	338.5	326.9	315.5	304.4	293.5
-90°	27.0	30.5	34.0	37.5	41.0	44.5	48.0	51.5	55.0	58.5	62.0



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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°	273.0	268.0	263.0	258.0	250.5	243.0	235.5	228.0	214.7	201.5	188.2
87.5°	64.4	67.4	70.4	73.5	76.1	78.8	81.4	84.0	86.0	88.0	90.0
85°	64.5	67.4	70.3	73.3	75.9	78.6	81.4	84.1	86.1	88.1	90.1
82.5°	65.3	68.2	71.1	74.0	76.4	79.0	81.6	84.2	86.1	88.1	90.1
80°	64.8	68.0	71.1	74.1	76.8	79.4	81.8	84.3	86.2	88.2	90.2
77.5°	64.9	67.9	70.8	73.8	76.7	79.4	82.0	84.4	86.4	88.4	90.3
75°	65.5	68.7	71.7	74.4	76.9	79.4	82.2	84.6	86.6	88.5	90.4
72.5°	65.7	68.9	72.3	75.2	77.5	80.0	82.5	84.8	86.8	88.7	90.6
70°	66.3	69.1	72.2	75.2	78.0	80.5	82.9	85.1	87.0	88.9	90.8
67.5°	67.2	70.2	73.0	75.4	78.1	80.8	83.3	85.4	87.2	89.1	91.0
65°	67.9	71.1	74.1	76.3	78.6	81.1	83.7	85.7	87.5	89.4	91.2
62.5°	68.5	71.8	74.8	77.2	79.4	81.7	84.2	86.0	87.9	89.7	91.5
60°	68.9	72.2	75.3	77.8	80.1	82.4	84.6	86.4	88.2	90.0	91.8
57.5°	69.8	72.7	75.6	78.3	80.8	83.0	85.0	86.8	88.6	90.3	92.1
55°	70.7	73.5	76.1	78.8	81.4	83.7	85.6	87.3	89.0	90.7	92.3
52.5°	71.8	74.5	77.0	79.5	82.1	84.4	86.2	87.8	89.4	91.1	92.6
50°	72.9	75.7	78.1	80.5	82.9	85.0	86.9	88.4	89.9	91.5	92.9
47.5°	74.1	76.9	79.4	81.6	83.8	85.7	87.6	89.2	90.4	92.0	93.3
45°	75.8	78.2	80.8	83.0	84.7	86.5	88.3	90.0	91.2	92.4	93.7
42.5°	77.5	79.7	82.1	84.6	85.9	87.3	89.1	90.8	92.0	92.9	94.1
40°	78.7	81.3	83.5	85.7	87.2	88.2	89.8	91.5	92.9	93.5	94.6
37.5°	80.0	82.7	85.0	86.7	88.4	89.4	90.7	92.2	93.7	94.3	95.1
35°	81.8	84.2	86.2	87.9	89.4	90.7	91.5	93.0	94.4	95.1	95.7
32.5°	83.7	85.7	87.6	89.2	90.5	92.0	92.6	94.0	95.2	95.9	96.2
30°	85.7	87.4	89.0	90.7	91.7	93.0	94.0	95.2	96.1	96.6	96.9
27.5°	88.0	89.2	90.5	92.1	93.1	94.1	95.7	96.5	97.1	97.4	97.6
25°	90.3	91.3	92.3	93.5	94.6	96.4	97.5	98.0	98.2	98.3	98.3
22.5°	92.5	93.5	94.2	95.0	98.0	99.1	99.5	99.6	99.5	99.2	98.9
20°	94.9	95.7	97.3	99.8	101.7	102.2	101.7	101.3	100.8	100.1	99.6
17.5°	97.6	103.5	106.4	105.9	105.8	105.5	104.2	103.0	102.2	101.1	100.3
15°	121.5	121.2	117.6	113.1	110.2	109.0	106.9	104.7	103.7	102.1	101.8
12.5°	156.6	142.6	130.4	121.1	115.0	112.6	109.7	106.4	105.2	104.4	104.2
10°	197.3	166.8	144.4	129.7	119.9	116.3	112.6	110.0	109.2	107.9	106.7
7.5°	241.7	192.9	159.3	138.7	131.9	130.5	125.0	117.8	113.7	111.4	109.3
5°	373.7	337.9	284.0	221.3	182.6	156.9	139.2	125.8	118.2	115.0	111.9
2.5°	878.3	674.2	484.4	318.1	235.4	184.1	153.7	134.0	122.6	118.5	114.5
0°	1387.0	1013.0	686.0	415.0	288.0	211.0	168.0	142.0	127.0	122.0	117.0
-2.5°	1935.6	1489.9	1118.8	724.0	461.9	319.4	236.9	179.4	147.2	133.4	124.8
-5°	2463.0	1952.4	1531.2	1017.1	628.5	423.9	303.1	215.6	166.8	144.6	132.6
-7.5°	3009.1	2379.1	1865.7	1271.7	782.7	521.9	364.6	249.4	185.5	155.4	140.1
-10°	3511.9	2749.5	2087.3	1426.1	921.7	625.4	423.7	280.0	202.8	165.7	147.3
-12.5°	3944.7	3057.5	2264.9	1555.9	1047.2	732.1	502.7	327.9	221.2	175.5	154.3
-15°	4295.0	3290.3	2391.7	1658.5	1157.6	826.3	572.5	380.3	258.1	191.1	160.8
-17.5°	4501.8	3437.0	2461.7	1731.6	1251.6	906.1	631.6	425.2	290.6	213.6	171.8
-20°	4431.9	3439.3	2481.6	1773.2	1327.7	970.1	679.0	461.7	318.0	233.6	185.4



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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°	4322.6	3363.5	2500.8	1835.6	1389.2	1016.7	713.5	489.0	339.8	250.7	197.7
-25°	4174.6	3267.8	2495.5	1893.3	1435.3	1052.5	739.6	506.2	355.2	264.7	208.4
-27.5°	4027.6	3175.4	2469.5	1921.4	1462.8	1070.5	757.5	524.0	367.1	275.2	217.3
-30°	3877.4	3121.8	2464.1	1923.9	1468.7	1079.1	761.3	532.9	379.2	284.6	224.4
-32.5°	3787.0	3047.7	2435.3	1912.0	1461.8	1072.9	760.9	532.3	386.3	292.6	230.6
-35°	3716.7	2982.6	2372.9	1874.0	1438.3	1069.1	761.8	521.9	388.1	297.9	235.6
-37.5°	3586.8	2893.4	2304.9	1818.3	1394.6	1052.6	760.1	527.9	384.5	300.4	239.2
-40°	3432.3	2775.2	2220.6	1748.7	1355.0	1023.3	745.5	529.9	382.3	300.0	241.4
-42.5°	3229.6	2643.5	2121.7	1659.0	1308.2	992.2	719.9	520.5	383.5	299.6	242.1
-45°	3039.9	2487.2	2000.6	1594.0	1248.2	946.0	695.3	502.0	378.6	298.7	242.6
-47.5°	2821.0	2318.9	1879.8	1506.9	1177.1	888.5	656.8	486.7	367.0	295.8	243.8
-50°	2598.8	2144.0	1753.3	1398.9	1086.1	825.4	610.4	462.5	359.2	290.4	243.9
-52.5°	2383.9	1970.9	1601.5	1268.8	988.5	746.6	569.2	431.8	347.2	285.8	243.0
-55°	2162.6	1768.0	1424.5	1132.1	878.1	676.7	517.8	410.5	331.0	281.0	241.1
-57.5°	1907.1	1539.9	1246.3	986.7	774.0	601.5	474.7	384.1	319.4	274.3	239.2
-60°	1632.5	1328.0	1060.6	850.0	670.2	532.2	435.4	358.4	307.8	266.6	235.4
-62.5°	1374.3	1109.2	893.4	713.0	575.9	472.7	394.9	340.5	294.2	260.2	230.5
-65°	1122.9	909.4	722.2	597.4	491.6	414.6	368.2	320.3	283.8	252.9	225.4
-67.5°	874.8	727.6	590.1	484.6	424.1	378.0	338.2	305.0	273.7	244.9	220.8
-70°	695.9	569.6	477.5	421.0	377.3	341.5	318.4	291.4	262.7	239.1	215.9
-72.5°	549.6	475.5	410.6	364.5	342.3	320.8	300.1	278.2	255.4	232.9	210.7
-75°	441.6	400.4	365.3	337.8	318.3	300.0	285.8	269.5	247.7	226.3	207.2
-77.5°	390.9	360.7	333.2	313.6	300.5	287.5	274.6	260.3	240.5	222.0	204.1
-80°	350.5	331.3	313.6	298.0	286.3	274.7	264.4	252.9	235.1	217.6	200.7
-82.5°	320.4	307.8	296.2	285.2	275.7	266.0	256.3	245.9	229.3	213.0	197.4
-85°	302.4	293.0	284.0	275.3	266.3	257.2	248.4	239.3	224.3	209.3	194.5
-87.5°	286.6	279.8	273.1	266.5	258.3	250.2	242.0	233.8	219.6	205.5	191.5
-90°	65.0	68.0	71.0	74.0	76.5	79.0	81.5	84.0	86.0	88.0	90.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	175.0	159.0	143.0	127.0	111.0	105.0	99.0
87.5°	92.0	93.5	95.0	96.5	98.0	98.5	99.0
85°	92.0	93.5	95.0	96.5	98.0	98.5	99.0
82.5°	92.1	93.6	95.1	96.5	98.0	98.5	99.0
80°	92.1	93.6	95.1	96.6	98.0	98.5	99.0
77.5°	92.2	93.7	95.1	96.6	98.0	98.5	99.0
75°	92.3	93.7	95.2	96.7	98.0	98.5	99.0
72.5°	92.4	93.8	95.3	96.7	98.0	98.5	99.0
70°	92.5	93.9	95.4	96.8	98.1	98.5	99.0
67.5°	92.7	94.1	95.4	96.8	98.1	98.5	99.0
65°	92.8	94.2	95.6	96.9	98.1	98.5	99.0
62.5°	93.0	94.3	95.7	97.0	98.1	98.6	99.0
60°	93.2	94.5	95.8	97.1	98.1	98.6	99.0
57.5°	93.4	94.6	95.9	97.2	98.2	98.6	99.0
55°	93.6	94.8	96.1	97.3	98.2	98.6	99.0
52.5°	93.8	95.0	96.2	97.4	98.3	98.6	99.0
50°	94.0	95.2	96.4	97.5	98.3	98.6	99.0
47.5°	94.3	95.4	96.6	97.7	98.4	98.6	99.0
45°	94.7	95.7	96.7	97.8	98.4	98.6	99.0
42.5°	95.0	95.9	96.9	98.0	98.5	98.7	99.0
40°	95.4	96.1	97.1	98.1	98.5	98.7	99.0
37.5°	95.9	96.4	97.3	98.2	98.6	98.7	99.0
35°	96.3	96.7	97.5	98.4	98.7	98.7	99.0
32.5°	96.8	97.1	97.8	98.6	98.8	98.7	99.0
30°	97.3	97.5	98.0	98.8	98.9	98.7	99.0
27.5°	97.8	97.9	98.4	99.0	99.0	98.8	99.0
25°	98.3	98.3	98.9	99.2	99.0	98.8	99.0
22.5°	98.9	98.9	99.4	99.5	99.1	98.8	99.0
20°	99.5	99.8	99.9	99.8	99.2	98.8	99.0
17.5°	100.6	100.8	100.5	100.0	99.3	98.8	99.0
15°	102.3	101.8	101.1	100.3	99.4	98.9	99.0
12.5°	104.0	102.8	101.8	100.6	99.5	98.9	99.0
10°	105.8	103.9	102.4	100.9	99.6	98.9	99.0
7.5°	107.6	104.9	103.1	101.2	99.7	98.9	99.0
5°	109.4	106.0	103.7	101.5	99.8	99.0	99.0
2.5°	111.2	107.0	104.4	101.7	99.9	99.0	99.0
0°	113.0	108.0	105.0	102.0	100.0	99.0	99.0
-2.5°	118.6	111.4	107.1	103.4	100.8	99.3	99.0
-5°	124.1	114.8	109.2	104.7	101.6	99.7	99.0
-7.5°	129.3	118.0	111.2	106.1	102.3	100.0	99.0
-10°	134.4	121.2	113.2	107.4	103.1	100.3	99.0
-12.5°	139.1	124.2	115.1	108.6	103.8	100.6	99.0
-15°	143.5	127.0	116.9	109.9	104.5	100.9	99.0
-17.5°	147.4	129.7	118.7	111.1	105.2	101.2	99.0
-20°	152.9	132.1	120.3	112.2	105.9	101.5	99.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	161.0	134.3	121.9	113.3	106.6	101.8	99.0
-25°	168.3	138.8	123.4	114.3	107.2	102.1	99.0
-27.5°	174.7	144.1	124.7	115.2	107.8	102.4	99.0
-30°	180.3	148.9	126.2	116.1	108.3	102.7	99.0
-32.5°	184.8	153.2	129.6	116.9	108.9	102.9	99.0
-35°	189.5	157.0	132.7	117.6	109.4	103.1	99.0
-37.5°	193.8	160.4	135.4	118.3	109.8	103.4	99.0
-40°	197.3	163.7	137.9	118.9	110.2	103.6	99.0
-42.5°	200.0	166.5	140.1	119.7	110.6	103.8	99.0
-45°	202.0	168.7	142.1	121.2	110.9	104.0	99.0
-47.5°	203.1	170.4	143.7	122.5	111.2	104.2	99.0
-50°	204.2	171.6	145.1	123.7	111.4	104.3	99.0
-52.5°	204.6	172.2	146.1	124.8	111.6	104.5	99.0
-55°	204.2	172.7	146.8	125.8	111.8	104.6	99.0
-57.5°	203.2	172.8	147.3	126.7	111.9	104.7	99.0
-60°	201.5	172.5	147.4	127.3	112.0	104.8	99.0
-62.5°	199.9	171.7	147.9	127.9	112.1	104.9	99.0
-65°	197.7	170.5	148.2	128.3	112.2	105.0	99.0
-67.5°	195.0	169.6	148.3	128.6	112.2	105.1	99.0
-70°	191.7	169.1	148.2	128.7	112.2	105.1	99.0
-72.5°	190.0	168.3	147.9	128.9	112.2	105.2	99.0
-75°	188.3	167.3	147.4	128.9	112.1	105.2	99.0
-77.5°	186.2	166.0	147.0	128.9	112.0	105.2	99.0
-80°	183.8	164.8	146.5	128.7	111.8	105.2	99.0
-82.5°	181.9	163.6	145.8	128.4	111.7	105.1	99.0
-85°	179.8	162.3	145.0	128.1	111.5	105.1	99.0
-87.5°	177.5	160.7	144.1	127.6	111.2	105.1	99.0
-90°	92.0	93.5	95.0	96.5	98.0	98.5	99.0

(END OF REPORT)