

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: P1212108 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS12-1000R-40-90-2S-ECV**

Issue Date: 11/14/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P1212108 (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-40-90-2S-ECV  
Description: EPHESUS LS12 LUMINAIRE  
(12) 4000K, 90 CRI LEDS AND 2S BEAM SHAPE WITH EXTREME CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

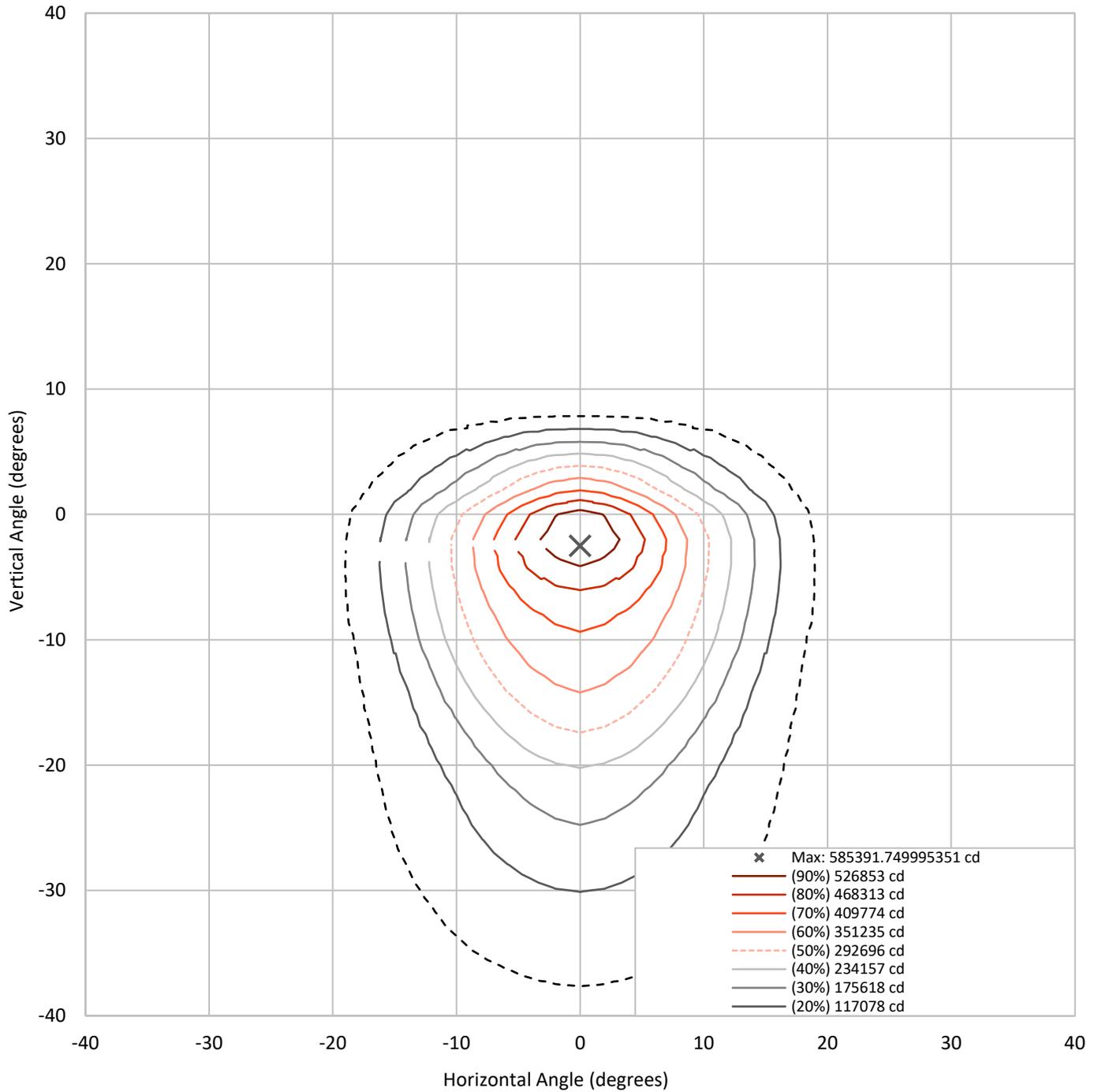
Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	106465.8 lumens	Max Intensity:	585391.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -2.5°V
Efficacy:	98.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.83' x L: 0.79' x H: 0')		
Beam Angle (50%):	21.2°H x 21.4°V	Field Angle (10%):	38°H x 45.2°V
Beam Lumens:	39874.3 lumens	Field Lumens:	83949.6 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





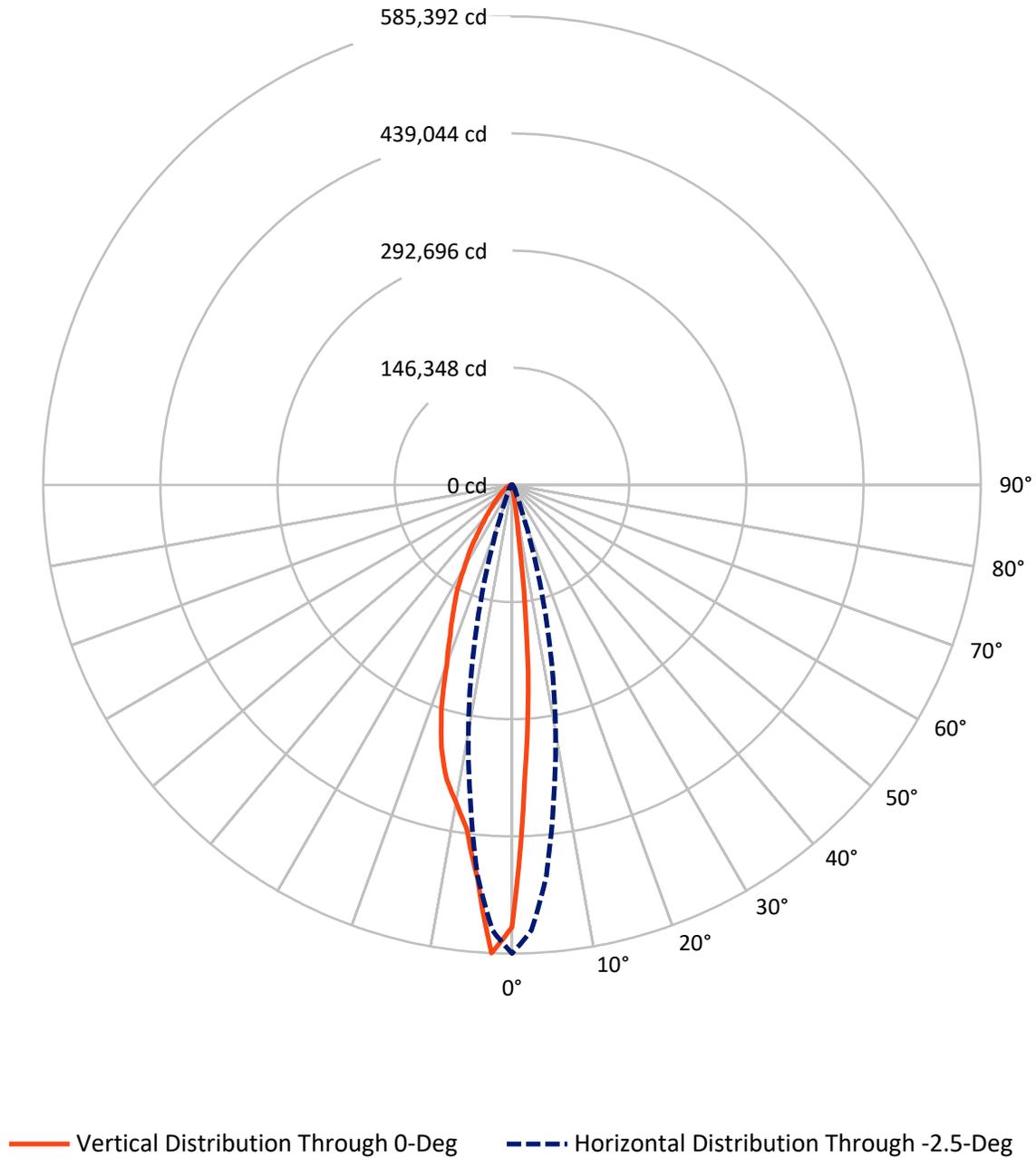
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### Lumen Table

90	1.7	4.4	5.3	4.6	3.5	4.6	5.3	4.4	1.7										
80																			
70																			
60	1.6	0.9	1.1	1.1	1.0	0.8	0.5	0.2	0.2	0.5	0.8	1.0	1.1	1.1	0.9	1.6			
50		0.9	1.1	1.2	1.1	0.9	0.6	0.2	0.2	0.6	0.9	1.1	1.2	1.1	0.9				
40	1.7	0.9	1.2	1.3	1.2	1.0	0.7	0.2	0.2	0.7	1.0	1.2	1.3	1.2	0.9	1.7			
30		1.0	1.3	1.4	1.4	1.2	0.9	0.3	0.3	0.9	1.2	1.4	1.4	1.3	1.0				
20	1.7	1.0	1.3	1.6	1.7	1.8	1.3	0.5	0.5	1.3	1.8	1.7	1.6	1.3	1.0	1.7			
10		1.1	1.7	2.4	3.4	5.3	5.7	7.2	7.2	5.7	5.3	3.4	2.4	1.7	1.1				
0	2.0	1.4	3.9	13.2	43.1	172.2	1683.5	5608.4	5608.4	1683.5	172.2	43.1	13.2	3.9	1.4	2.0			
-10		2.6	15.7	56.1	165.0	540.0	4425.4	12650.3	12650.3	4425.4	540.0	165.0	56.1	15.7	2.6				
-20	2.7	4.7	26.3	95.0	241.5	639.0	2989.9	8519.2	8519.2	2989.9	639.0	241.5	95.0	26.3	4.7	2.7			
-30		6.2	29.1	97.0	259.8	635.6	1853.6	4442.3	4442.3	1853.6	635.6	259.8	97.0	29.1	6.2				
-40	3.3	6.5	28.1	83.9	223.2	505.9	1120.3	2079.7	2079.7	1120.3	505.9	223.2	83.9	28.1	6.5	3.3			
-50		6.0	23.9	67.1	155.3	324.2	605.7	874.0	874.0	605.7	324.2	155.3	67.1	23.9	6.0				
-60	3.3	4.7	17.0	46.9	100.7	184.9	308.7	408.9	408.9	308.7	184.9	100.7	46.9	17.0	4.7	3.3			
-70		3.5	9.2	24.9	52.8	92.4	141.3	175.5	175.5	141.3	92.4	52.8	24.9	9.2	3.5				
-80	2.9	13.9	41.5	106.5	154.6	106.5	41.5	13.9	2.9										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

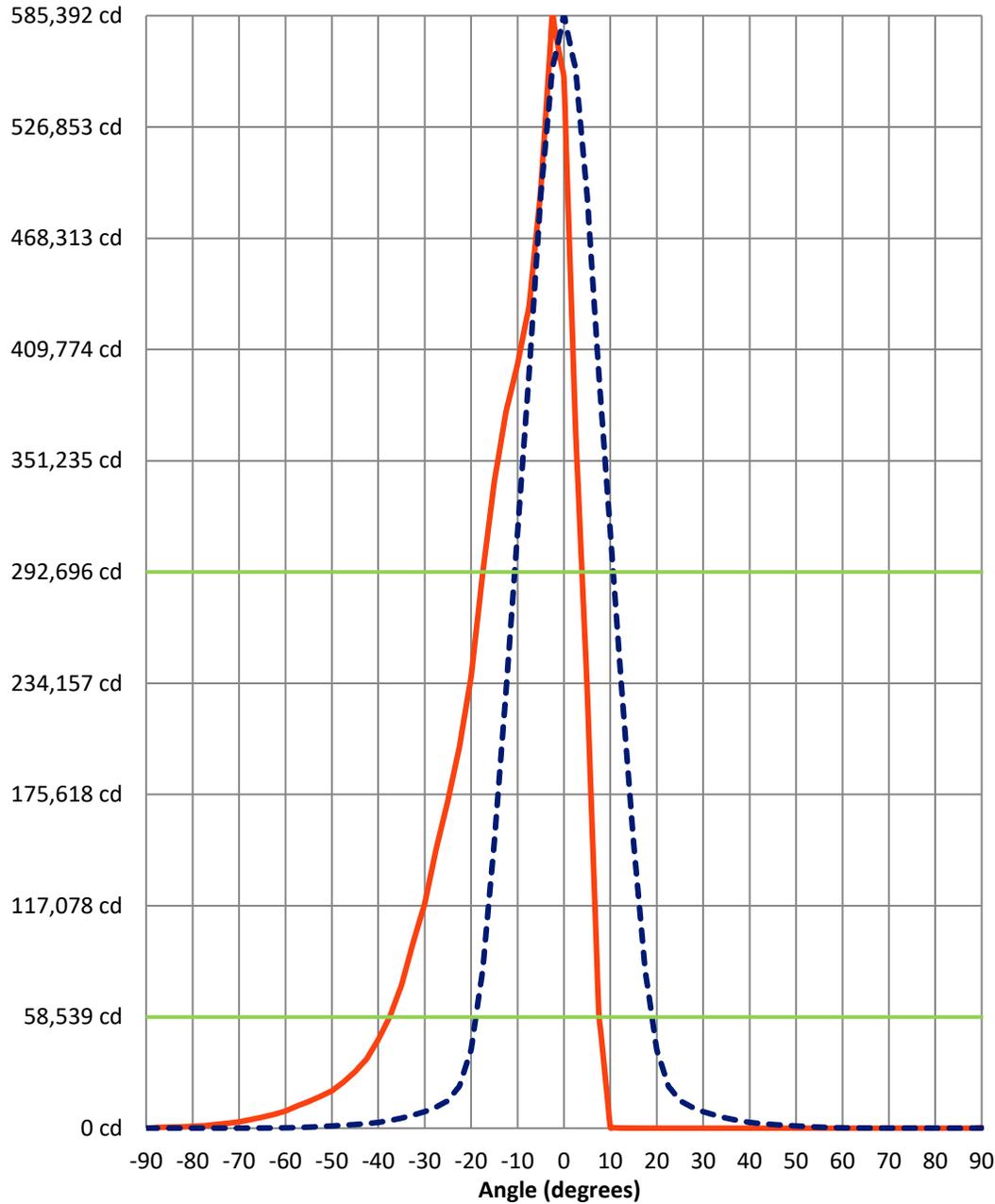
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 21.2°  
 V Angle: 21.4°  
 Lumens: 39874.3  
 Efficiency: 37.5%

**Field:**  
 H Angle: 38°  
 V Angle: 45.2°  
 Lumens: 83949.6  
 Efficiency: 78.9%

**Spill:**  
 Lumens: 22516.3  
 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°	81.5	86.4	91.4	104.5	117.7	130.8	144.0	154.9	165.8	176.8	187.7
87.5°	81.5	81.1	80.7	79.5	78.2	77.0	75.7	74.1	72.4	70.8	69.1
85°	81.5	81.1	80.7	79.5	78.2	77.0	75.7	74.1	72.4	70.8	69.2
82.5°	81.5	81.1	80.7	79.5	78.2	77.0	75.8	74.1	72.5	70.9	69.2
80°	81.5	81.1	80.7	79.5	78.3	77.0	75.8	74.2	72.6	71.0	69.3
77.5°	81.5	81.1	80.7	79.5	78.3	77.1	75.9	74.3	72.7	71.1	69.4
75°	81.5	81.1	80.7	79.6	78.4	77.2	75.9	74.4	72.8	71.2	69.6
72.5°	81.5	81.1	80.7	79.6	78.4	77.2	76.0	74.6	73.0	71.4	69.8
70°	81.5	81.1	80.7	79.7	78.5	77.3	76.1	74.7	73.1	71.6	70.0
67.5°	81.5	81.1	80.8	79.7	78.6	77.4	76.2	74.9	73.3	71.8	70.2
65°	81.5	81.1	80.8	79.8	78.7	77.5	76.4	75.1	73.6	72.0	70.5
62.5°	81.5	81.1	80.8	79.9	78.8	77.6	76.5	75.3	73.8	72.3	70.8
60°	81.5	81.2	80.8	79.9	78.9	77.8	76.7	75.5	74.1	72.6	71.1
57.5°	81.5	81.2	80.8	80.0	79.0	77.9	76.8	75.8	74.3	72.9	71.4
55°	81.5	81.2	80.9	80.1	79.1	78.1	77.0	76.0	74.6	73.2	71.8
52.5°	81.5	81.2	80.9	80.2	79.2	78.2	77.2	76.2	75.0	73.6	72.2
50°	81.5	81.2	80.9	80.3	79.4	78.4	77.4	76.5	75.3	74.0	72.8
47.5°	81.5	81.2	81.0	80.4	79.5	78.6	77.6	76.8	75.7	74.4	73.4
45°	81.5	81.2	81.0	80.5	79.6	78.7	77.9	77.1	76.1	75.0	74.1
42.5°	81.5	81.2	81.1	80.7	79.8	78.9	78.2	77.5	76.5	75.7	74.7
40°	81.5	81.2	81.1	80.8	80.0	79.1	78.6	77.8	77.0	76.5	75.3
37.5°	81.5	81.3	81.2	80.9	80.1	79.4	78.9	78.3	77.6	77.2	76.0
35°	81.5	81.3	81.3	81.0	80.3	79.6	79.3	78.7	78.3	77.7	76.6
32.5°	81.5	81.3	81.3	81.2	80.5	79.9	79.7	79.2	78.9	78.4	77.4
30°	81.5	81.3	81.4	81.3	80.7	80.3	80.1	79.7	79.6	79.2	78.4
27.5°	81.5	81.3	81.5	81.5	81.0	80.6	80.5	80.3	80.2	80.0	79.5
25°	81.5	81.3	81.5	81.7	81.4	80.9	80.9	80.9	80.9	80.9	80.7
22.5°	81.5	81.3	81.6	81.9	81.8	81.4	81.4	81.4	81.6	81.9	82.1
20°	81.5	81.4	81.7	82.1	82.3	82.2	81.9	82.0	82.4	83.0	83.4
17.5°	81.5	81.4	81.8	82.4	82.8	83.0	82.8	82.6	83.2	84.2	84.8
15°	81.5	81.4	81.8	82.6	83.3	83.8	84.2	83.7	84.0	85.4	86.2
12.5°	81.5	81.4	81.9	82.8	83.8	84.6	85.6	85.8	86.0	86.6	87.6
10°	81.5	81.4	82.0	83.1	84.3	85.5	87.1	87.8	88.8	89.9	90.6
7.5°	81.5	81.4	82.1	83.3	84.8	86.4	88.6	89.9	91.7	93.6	96.9
5°	81.5	81.5	82.2	83.5	85.4	87.2	90.1	92.1	94.6	97.3	103.6
2.5°	81.5	81.5	82.2	83.8	85.9	88.1	91.5	94.2	97.5	100.9	110.3
0°	81.5	81.5	82.3	84.0	86.4	88.9	93.0	96.3	100.4	104.5	116.9
-2.5°	81.5	81.8	82.9	85.1	88.1	91.7	97.6	102.8	109.8	121.1	147.7
-5°	81.5	82.0	83.6	86.2	89.8	94.5	102.1	109.1	119.0	137.3	177.4
-7.5°	81.5	82.3	84.2	87.3	91.5	97.2	106.5	115.3	127.9	152.7	205.3
-10°	81.5	82.6	84.8	88.4	93.1	99.8	110.6	121.3	136.4	166.9	230.4
-12.5°	81.5	82.8	85.4	89.4	94.7	102.2	114.5	127.0	144.4	182.1	269.9
-15°	81.5	83.1	86.0	90.4	96.2	104.6	118.1	132.4	157.4	212.5	313.0
-17.5°	81.5	83.3	86.6	91.4	97.7	106.7	121.3	141.4	175.9	239.2	350.0
-20°	81.5	83.6	87.2	92.3	99.0	108.7	125.8	152.7	192.3	261.8	380.0



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 CATALOG NUMBER: EPH-LS12-1000R-40-90-2S-ECV

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	81.5	83.8	87.7	93.2	100.3	110.5	132.5	162.7	206.4	279.7	402.5
-25°	81.5	84.1	88.2	94.0	101.5	114.3	138.5	171.5	217.9	292.4	416.7
-27.5°	81.5	84.3	88.7	94.8	102.6	118.6	143.8	178.9	226.6	302.2	431.3
-30°	81.5	84.5	89.2	95.5	103.8	122.6	148.4	184.8	234.3	312.2	438.7
-32.5°	81.5	84.7	89.6	96.2	106.6	126.1	152.1	189.8	240.9	318.0	438.2
-35°	81.5	84.9	90.0	96.8	109.2	129.2	156.0	194.0	245.3	319.5	429.6
-37.5°	81.5	85.1	90.4	97.3	111.5	132.1	159.5	196.9	247.3	316.5	434.6
-40°	81.5	85.3	90.7	97.8	113.5	134.8	162.4	198.7	246.9	314.7	436.2
-42.5°	81.5	85.4	91.0	98.5	115.3	137.0	164.6	199.3	246.7	315.7	428.5
-45°	81.5	85.6	91.3	99.7	116.9	138.9	166.2	199.8	245.9	311.7	413.2
-47.5°	81.5	85.7	91.5	100.8	118.3	140.3	167.2	200.7	243.6	302.1	400.6
-50°	81.5	85.9	91.7	101.8	119.4	141.2	168.0	200.8	239.1	295.7	380.8
-52.5°	81.5	86.0	91.9	102.7	120.3	141.7	168.4	200.0	235.3	285.8	355.5
-55°	81.5	86.1	92.0	103.5	120.9	142.2	168.1	198.4	231.3	272.5	337.9
-57.5°	81.5	86.2	92.1	104.2	121.2	142.2	167.2	196.9	225.8	262.9	316.2
-60°	81.5	86.3	92.2	104.8	121.3	142.0	165.9	193.7	219.4	253.3	295.0
-62.5°	81.5	86.4	92.3	105.2	121.7	141.3	164.5	189.7	214.1	242.1	280.3
-65°	81.5	86.4	92.3	105.6	122.0	140.4	162.8	185.5	208.2	233.5	263.6
-67.5°	81.5	86.5	92.3	105.8	122.1	139.6	160.5	181.8	201.6	225.2	251.0
-70°	81.5	86.5	92.3	105.9	122.0	139.2	157.8	177.8	196.8	216.2	239.8
-72.5°	81.5	86.6	92.3	106.0	121.7	138.5	156.4	173.4	191.7	210.2	229.0
-75°	81.5	86.6	92.3	106.1	121.3	137.7	155.0	170.5	186.3	203.9	221.8
-77.5°	81.5	86.6	92.2	106.1	121.0	136.6	153.3	168.0	182.7	197.9	214.2
-80°	81.5	86.6	92.1	105.9	120.6	135.7	151.3	165.2	179.1	193.5	208.2
-82.5°	81.5	86.6	91.9	105.7	120.0	134.7	149.7	162.5	175.3	188.7	202.4
-85°	81.5	86.5	91.8	105.4	119.4	133.5	148.0	160.1	172.3	184.6	197.0
-87.5°	81.5	86.5	91.6	105.0	118.6	132.3	146.1	157.6	169.2	180.8	192.5
-90°	81.5	81.1	80.7	79.5	78.2	77.0	75.7	74.1	72.4	70.8	69.1



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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°	193.9	200.1	206.2	212.4	216.5	220.6	224.7	228.8	234.4	240.0	245.5
87.5°	67.0	64.8	62.6	60.5	58.0	55.5	53.0	50.5	47.7	45.0	42.2
85°	66.9	64.7	62.5	60.3	57.9	55.5	53.1	50.6	47.9	45.2	42.4
82.5°	67.1	65.0	62.9	60.9	58.5	56.1	53.7	51.1	48.2	45.3	42.3
80°	67.3	65.3	63.2	61.0	58.5	55.9	53.4	50.8	47.9	44.9	42.1
77.5°	67.5	65.3	63.1	60.8	58.3	55.9	53.4	50.9	48.1	45.2	42.3
75°	67.6	65.4	63.3	61.2	59.0	56.5	53.9	51.2	48.5	45.6	42.7
72.5°	67.9	65.8	63.8	61.9	59.5	56.7	54.1	51.6	48.9	46.0	43.1
70°	68.2	66.2	64.1	61.9	59.5	56.9	54.5	52.0	49.4	46.5	43.6
67.5°	68.5	66.5	64.3	62.0	60.1	57.7	55.3	52.6	49.9	47.0	44.1
65°	68.9	66.8	64.7	62.8	61.0	58.5	55.9	53.2	50.5	47.7	44.7
62.5°	69.2	67.3	65.3	63.5	61.5	59.1	56.4	53.7	51.1	48.4	45.4
60°	69.6	67.8	65.9	64.0	62.0	59.5	56.8	54.3	51.8	49.2	46.2
57.5°	70.0	68.3	66.4	64.5	62.2	59.8	57.4	55.0	52.5	50.0	47.1
55°	70.4	68.8	67.0	64.9	62.7	60.5	58.2	55.8	53.4	50.9	48.0
52.5°	70.9	69.4	67.5	65.5	63.4	61.3	59.1	56.7	54.3	51.8	49.1
50°	71.5	70.0	68.2	66.2	64.3	62.3	60.0	57.7	55.4	52.9	50.3
47.5°	72.1	70.6	69.0	67.1	65.4	63.3	61.0	59.0	56.8	54.0	51.3
45°	72.7	71.2	69.7	68.3	66.6	64.4	62.4	60.6	57.7	55.1	52.6
42.5°	73.3	71.9	70.7	69.7	67.6	65.6	63.8	61.4	58.8	56.7	54.1
40°	74.0	72.6	71.8	70.6	68.8	66.9	64.8	62.4	60.7	58.3	55.6
37.5°	74.7	73.6	72.8	71.4	70.0	68.1	65.9	64.1	62.2	59.9	57.2
35°	75.4	74.7	73.6	72.4	71.0	69.3	67.4	65.7	63.8	61.5	59.0
32.5°	76.3	75.7	74.5	73.4	72.1	70.6	68.9	67.4	65.5	63.2	60.9
30°	77.4	76.6	75.5	74.6	73.3	71.9	70.6	69.3	67.2	65.1	63.1
27.5°	78.8	77.5	76.6	75.8	74.5	73.4	72.4	71.0	69.1	67.2	65.8
25°	80.3	79.4	77.9	77.0	76.0	75.1	74.3	72.9	71.1	69.9	68.8
22.5°	81.9	81.6	80.7	78.2	77.6	76.9	76.1	75.1	74.1	73.2	72.1
20°	83.7	84.1	83.7	82.1	80.1	78.8	78.2	77.8	78.1	78.2	77.5
17.5°	85.8	86.8	87.1	87.2	87.6	85.2	80.4	80.9	82.6	84.3	88.4
15°	88.0	89.7	90.8	93.1	96.8	99.8	100.0	92.7	88.0	92.6	103.5
12.5°	90.3	92.7	94.7	99.7	107.3	117.3	128.9	138.7	140.7	126.2	124.7
10°	92.7	95.8	98.7	106.8	118.9	137.3	162.3	193.1	227.7	257.6	277.9
7.5°	102.8	107.5	108.5	114.2	131.1	158.7	198.9	253.4	326.4	405.4	501.3
5°	114.6	129.2	150.3	182.1	233.8	278.1	307.6	320.9	431.9	563.3	744.6
2.5°	126.5	151.5	193.8	261.9	398.8	554.9	722.9	903.3	1108.1	1362.3	1648.4
0°	138.3	173.7	237.1	341.6	564.7	833.8	1141.7	1490.7	1898.1	2465.3	3118.0
-2.5°	195.0	262.9	380.2	596.0	921.0	1226.4	1593.3	1984.3	2425.3	3101.8	4093.9
-5°	249.5	348.9	517.3	837.2	1260.4	1607.1	2027.4	2459.7	2971.8	3775.7	4985.9
-7.5°	300.1	429.6	644.2	1046.8	1535.8	1958.3	2476.9	3057.9	3694.3	4570.0	5800.6
-10°	348.8	514.8	758.6	1173.9	1718.2	2263.2	2890.7	3601.8	4361.8	5297.8	6535.0
-12.5°	413.8	602.6	861.9	1280.7	1864.4	2516.7	3247.0	4076.0	4962.4	5950.4	7164.8
-15°	471.2	680.2	952.9	1365.2	1968.7	2708.4	3535.4	4468.5	5425.9	6354.7	7535.0
-17.5°	519.9	745.9	1030.2	1425.3	2026.4	2829.1	3705.6	4596.1	5648.6	6654.8	7862.6
-20°	558.9	798.5	1092.9	1459.6	2042.7	2831.0	3648.1	4576.7	5701.1	6874.5	8057.4



REPORT NUMBER: P1212108 (CONVERTED FROM TYPE C PHOTOMETRY)  
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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°	587.3	836.9	1143.5	1511.0	2058.5	2768.6	3558.1	4454.3	5598.4	6994.2	8280.2
-25°	608.8	866.4	1181.5	1558.4	2054.2	2689.8	3436.3	4244.4	5373.2	6941.1	8542.0
-27.5°	623.6	881.2	1204.1	1581.6	2032.8	2613.8	3315.2	4078.6	5187.3	6699.2	8603.7
-30°	626.6	888.3	1209.0	1583.6	2028.3	2569.7	3191.6	3994.7	4948.9	6350.1	8121.1
-32.5°	626.3	883.1	1203.3	1573.8	2004.6	2508.7	3117.2	3909.9	4818.7	5868.8	7470.5
-35°	627.0	880.0	1183.9	1542.6	1953.2	2455.1	3059.4	3770.8	4639.8	5591.7	6867.2
-37.5°	625.6	866.4	1148.0	1496.7	1897.2	2381.7	2952.4	3624.1	4414.6	5358.8	6431.7
-40°	613.6	842.3	1115.3	1439.4	1827.8	2284.3	2825.2	3446.4	4161.6	5051.9	6096.5
-42.5°	592.6	816.7	1076.8	1365.6	1746.5	2175.9	2658.4	3244.3	3914.3	4692.5	5621.5
-45°	572.3	778.7	1027.4	1312.1	1646.7	2047.3	2502.2	3006.9	3648.4	4333.5	5131.4
-47.5°	540.6	731.3	968.9	1240.4	1547.3	1908.7	2322.1	2814.6	3365.8	3996.5	4654.2
-50°	502.5	679.4	894.0	1151.5	1443.2	1764.8	2139.1	2597.0	3108.4	3659.2	4261.4
-52.5°	468.5	614.5	813.6	1044.3	1318.3	1622.3	1962.2	2366.2	2829.1	3330.5	3874.0
-55°	426.2	557.0	722.7	931.9	1172.5	1455.3	1780.1	2137.4	2527.4	2983.6	3464.2
-57.5°	390.7	495.1	637.1	812.1	1025.8	1267.5	1569.8	1896.2	2249.0	2629.2	3036.7
-60°	358.4	438.1	551.7	699.6	873.0	1093.1	1343.8	1632.4	1947.7	2280.5	2636.3
-62.5°	325.0	389.1	474.1	586.9	735.3	913.0	1131.2	1372.6	1630.4	1918.4	2224.0
-65°	303.0	341.3	404.6	491.7	594.5	748.6	924.3	1116.9	1339.9	1567.7	1807.2
-67.5°	278.4	311.2	349.1	398.9	485.7	598.9	720.1	882.0	1058.1	1236.1	1422.1
-70°	262.0	281.1	310.5	346.5	393.0	468.8	572.8	683.3	801.6	939.7	1098.8
-72.5°	247.0	264.1	281.7	300.0	338.0	391.4	452.4	520.4	610.7	718.4	830.5
-75°	235.3	246.9	262.0	278.0	300.7	329.6	363.5	415.1	478.3	548.5	621.1
-77.5°	226.0	236.6	247.3	258.2	274.3	296.9	321.8	348.8	386.2	429.4	475.0
-80°	217.6	226.1	235.6	245.3	258.1	272.7	288.5	305.4	330.9	361.6	396.2
-82.5°	211.0	219.0	226.9	234.7	243.7	253.3	263.7	275.9	295.8	317.5	340.2
-85°	204.4	211.7	219.2	226.6	233.7	241.2	248.9	256.8	270.3	284.5	299.4
-87.5°	199.2	205.9	212.7	219.4	224.8	230.3	235.9	241.5	250.5	259.7	269.1
-90°	67.0	65.0	62.9	60.9	58.4	55.9	53.5	51.0	48.1	45.2	42.4



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	251.1	259.7	268.4	277.0	285.6	297.3	309.1	320.8	332.5	345.7	358.9
87.5°	39.5	36.7	33.8	30.9	28.0	25.1	22.3	19.4	16.5	13.8	11.2
85°	39.6	36.7	33.9	31.0	28.1	25.2	22.3	19.4	16.6	13.9	11.2
82.5°	39.4	36.5	33.5	30.6	27.6	24.9	22.1	19.4	16.6	13.7	10.8
80°	39.2	36.3	33.4	30.5	27.6	24.9	22.2	19.4	16.7	13.8	10.9
77.5°	39.4	36.5	33.6	30.7	27.8	25.0	22.3	19.6	16.9	13.9	11.0
75°	39.8	36.9	33.9	31.0	28.1	25.2	22.3	19.3	16.4	13.5	10.7
72.5°	40.2	37.3	34.3	31.4	28.4	25.5	22.6	19.8	17.0	14.2	11.2
70°	40.6	37.7	34.8	31.8	28.8	25.9	22.9	19.9	16.9	13.9	11.0
67.5°	41.2	38.2	35.3	32.3	29.2	26.2	23.3	20.4	17.5	14.6	11.6
65°	41.8	38.8	35.8	32.8	29.8	26.7	23.8	20.7	17.6	14.5	11.4
62.5°	42.5	39.5	36.5	33.4	30.3	27.2	24.1	20.9	17.7	14.6	11.6
60°	43.3	40.2	37.2	34.1	31.0	27.8	24.6	21.4	18.1	14.9	11.9
57.5°	44.1	41.1	38.0	34.9	31.7	28.5	25.3	22.0	18.6	15.3	12.2
55°	45.1	42.0	38.9	35.8	32.5	29.3	26.0	22.6	19.2	15.8	12.5
52.5°	46.1	43.0	39.9	36.7	33.5	30.2	26.8	23.3	19.8	16.3	13.0
50°	47.2	44.2	41.0	37.8	34.5	31.1	27.7	24.2	20.6	16.9	13.4
47.5°	48.5	45.4	42.2	39.0	35.6	32.2	28.7	25.1	21.4	17.6	13.9
45°	49.9	46.8	43.6	40.3	36.9	33.4	29.8	26.1	22.3	18.4	14.5
42.5°	51.3	48.3	45.0	41.7	38.3	34.7	31.0	27.2	23.3	19.3	15.2
40°	52.8	49.9	46.7	43.3	39.8	36.2	32.4	28.5	24.4	20.3	16.0
37.5°	54.5	51.6	48.7	45.5	41.7	37.8	34.1	30.1	25.8	21.4	16.9
35°	56.3	53.8	51.2	47.6	43.9	40.3	36.4	32.0	27.3	23.2	18.6
32.5°	58.6	56.3	53.3	50.2	46.8	43.3	39.1	35.9	31.5	27.3	23.0
30°	61.2	58.8	57.0	54.0	50.8	48.1	45.7	43.1	40.0	35.7	29.7
27.5°	64.1	63.5	62.4	58.7	56.7	55.1	54.6	52.8	48.1	43.0	33.2
25°	67.8	69.2	66.5	64.6	64.0	64.6	62.8	59.6	49.8	39.7	28.5
22.5°	72.4	72.2	71.4	71.6	73.3	73.6	68.7	59.7	44.1	30.1	21.2
20°	76.1	76.0	78.4	83.8	85.5	86.5	75.5	56.2	37.9	31.9	28.2
17.5°	88.6	82.9	93.2	107.7	111.4	97.2	80.5	56.7	46.1	44.5	41.7
15°	112.2	120.6	131.8	139.6	142.6	124.5	92.5	83.1	77.9	81.8	82.6
12.5°	148.5	181.9	226.7	255.9	189.3	163.1	173.3	157.1	158.0	157.9	162.2
10°	292.1	262.4	370.2	512.9	683.8	785.4	364.1	654.9	1153.4	1300.0	718.3
7.5°	696.5	950.9	1129.9	1182.1	1537.5	3002.1	5134.3	7422.8	13508.2	23825.9	30843.5
5°	1162.2	1812.9	2495.0	3267.9	4277.3	6591.5	12750.9	27023.7	46174.2	77043.4	112808.9
2.5°	2197.1	3170.0	4198.6	5606.2	7415.2	10593.6	20583.5	45372.2	80186.1	127011.7	173961.8
0°	4025.1	5644.2	7171.9	9706.4	12362.6	18796.2	35765.0	75193.8	130017.5	204484.5	277721.7
-2.5°	5341.0	6940.6	8742.5	11234.8	14522.9	22286.7	41413.5	83482.8	150723.5	229337.5	313433.2
-5°	6416.1	8180.1	10279.8	12939.9	16481.7	23514.3	42099.8	82470.1	147208.5	221479.0	299925.2
-7.5°	7292.8	9246.9	11605.0	14393.1	18077.8	24818.7	42040.8	79213.7	136557.1	207465.9	280437.7
-10°	8054.8	10084.3	12703.3	15726.5	19572.5	25598.5	38020.9	68166.4	121225.1	189891.3	258076.6
-12.5°	8827.7	10965.4	13552.8	16661.1	20425.5	26560.5	38275.8	61843.5	103695.4	161874.3	228674.8
-15°	9426.4	11709.9	14247.7	17573.7	21936.9	27717.5	36454.2	55584.4	88753.1	136913.4	194459.3
-17.5°	9717.4	12183.2	15036.5	18422.2	22655.2	28224.5	37200.2	51357.5	77982.8	117110.5	158247.2
-20°	9742.1	12450.0	15394.6	18838.7	23073.3	28335.0	35872.7	49620.8	70672.8	101034.3	134144.2



REPORT NUMBER: P1212108 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	9958.0	12376.0	15342.0	18721.2	22960.0	27874.6	34989.2	47552.4	64304.7	88475.9	115700.6
-25°	10059.3	12051.8	15053.3	18542.5	22254.2	27071.7	34622.1	44429.7	59669.3	79128.7	102268.2
-27.5°	10131.1	11963.7	14487.2	17967.1	21583.6	26189.5	32726.7	41118.7	54201.5	69226.4	88682.4
-30°	10191.2	11830.4	14034.9	16798.9	20670.0	25028.0	30083.2	37907.5	48094.4	60194.4	75262.6
-32.5°	9590.2	11743.5	13516.6	15936.9	19077.9	23055.0	27713.5	34372.3	41939.4	51706.5	63213.3
-35°	8768.1	10946.1	13157.3	15215.3	17806.3	20972.0	25203.0	30634.0	36634.1	44328.2	52815.4
-37.5°	7825.5	9839.2	12028.4	14367.1	16638.9	19249.2	22798.4	26899.1	31576.1	37555.8	43833.3
-40°	7198.8	8509.5	10583.5	12745.2	15027.1	17673.0	20525.2	23644.7	27278.3	31609.5	36187.8
-42.5°	6704.9	7869.4	9121.4	10935.1	13026.0	15498.0	18091.6	20755.0	23721.8	26845.7	29933.7
-45°	6049.9	7214.2	8410.9	9635.6	11058.7	13180.8	15446.2	17810.4	20375.6	22932.4	25194.0
-47.5°	5489.4	6452.8	7553.1	8704.0	9980.4	11414.5	12989.6	14833.5	17046.8	19247.1	21014.2
-50°	4951.7	5734.5	6672.1	7679.0	8775.8	9955.5	11193.8	12796.5	14486.2	16156.6	17355.6
-52.5°	4464.8	5132.6	5843.6	6646.2	7592.8	8552.9	9557.2	10941.9	12364.8	13792.1	14682.4
-55°	3983.6	4550.3	5152.9	5836.7	6564.9	7321.4	8177.6	9253.4	10374.0	11520.1	12248.7
-57.5°	3491.8	3967.9	4480.5	5063.7	5665.5	6281.1	6976.6	7762.1	8584.0	9403.2	9987.4
-60°	3011.2	3402.8	3853.3	4335.6	4827.3	5326.0	5914.9	6519.0	7120.1	7668.8	8054.1
-62.5°	2547.0	2887.5	3251.9	3643.9	4058.0	4488.9	4953.0	5430.1	5913.6	6336.0	6626.1
-65°	2068.3	2356.1	2656.5	2963.0	3274.4	3622.4	4003.7	4385.2	4763.1	5085.0	5331.9
-67.5°	1633.1	1853.7	2085.7	2323.2	2576.8	2846.2	3134.3	3422.4	3707.7	3948.0	4148.1
-70°	1257.5	1417.3	1578.9	1751.5	1946.9	2164.1	2397.7	2621.3	2834.5	2994.1	3120.3
-72.5°	946.4	1068.6	1199.9	1340.8	1478.9	1639.6	1818.9	1998.6	2177.5	2305.2	2410.7
-75°	695.8	781.5	884.7	989.4	1095.1	1218.7	1352.2	1487.2	1622.5	1711.6	1784.2
-77.5°	531.0	597.2	665.9	735.0	804.3	883.7	966.7	1050.2	1133.5	1194.1	1248.8
-80°	432.5	475.1	520.2	566.5	613.7	667.8	723.4	779.3	835.2	879.8	922.3
-82.5°	363.8	392.0	421.6	452.0	483.0	520.2	558.1	596.2	634.3	665.9	696.7
-85°	314.7	333.4	352.7	372.3	392.1	417.7	443.7	470.0	496.3	518.5	540.4
-87.5°	278.6	291.5	304.6	317.7	331.0	348.0	365.0	382.1	399.3	415.6	431.8
-90°	39.5	36.6	33.8	30.9	28.0	25.1	22.3	19.4	16.5	13.8	11.2



REPORT NUMBER: P1212108 (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°	372.0	385.2	386.5	387.7	386.5	385.2	372.0	358.9	345.7	332.5	320.8
87.5°	8.5	5.8	3.7	1.6	3.7	5.8	8.5	11.2	13.8	16.5	19.4
85°	8.5	5.8	3.7	1.6	3.7	5.8	8.5	11.2	13.9	16.6	19.4
82.5°	7.9	5.0	2.9	0.8	2.9	5.0	7.9	10.8	13.7	16.6	19.4
80°	7.9	5.0	2.9	0.8	2.9	5.0	7.9	10.9	13.8	16.7	19.4
77.5°	8.0	5.0	2.9	0.8	2.9	5.0	8.0	11.0	13.9	16.9	19.6
75°	7.9	5.1	2.9	0.8	2.9	5.1	7.9	10.7	13.5	16.4	19.3
72.5°	8.2	5.2	3.8	2.5	3.8	5.2	8.2	11.2	14.2	17.0	19.8
70°	8.1	5.2	3.0	0.8	3.0	5.2	8.1	11.0	13.9	16.9	19.9
67.5°	8.5	5.4	3.0	0.8	3.0	5.4	8.5	11.6	14.6	17.5	20.4
65°	8.4	5.5	3.1	0.8	3.1	5.5	8.4	11.4	14.5	17.6	20.7
62.5°	8.6	5.6	3.1	0.8	3.1	5.6	8.6	11.6	14.6	17.7	20.9
60°	8.8	5.7	3.2	0.8	3.2	5.7	8.8	11.9	14.9	18.1	21.4
57.5°	9.0	5.9	3.2	0.8	3.2	5.9	9.0	12.2	15.3	18.6	22.0
55°	9.3	6.1	3.0	0.0	3.0	6.1	9.3	12.5	15.8	19.2	22.6
52.5°	9.6	6.3	3.4	0.8	3.4	6.3	9.6	13.0	16.3	19.8	23.3
50°	10.0	6.5	3.2	0.0	3.2	6.5	10.0	13.4	16.9	20.6	24.2
47.5°	10.4	6.8	3.3	0.0	3.3	6.8	10.4	13.9	17.6	21.4	25.1
45°	10.8	7.1	3.7	0.8	3.7	7.1	10.8	14.5	18.4	22.3	26.1
42.5°	11.3	7.4	3.6	0.0	3.6	7.4	11.3	15.2	19.3	23.3	27.2
40°	11.9	7.8	4.0	0.8	4.0	7.8	11.9	16.0	20.3	24.4	28.5
37.5°	12.6	8.3	4.2	0.8	4.2	8.3	12.6	16.9	21.4	25.8	30.1
35°	13.9	9.1	4.4	0.8	4.4	9.1	13.9	18.6	23.2	27.3	32.0
32.5°	17.6	11.8	5.4	0.8	5.4	11.8	17.6	23.0	27.3	31.5	35.9
30°	22.9	15.5	7.3	0.0	7.3	15.5	22.9	29.7	35.7	40.0	43.1
27.5°	24.5	16.7	9.6	0.0	9.6	16.7	24.5	33.2	43.0	48.1	52.8
25°	18.8	11.1	5.1	5.8	5.1	11.1	18.8	28.5	39.7	49.8	59.6
22.5°	18.4	14.6	8.2	11.5	8.2	14.6	18.4	21.2	30.1	44.1	59.7
20°	26.3	22.0	18.2	15.6	18.2	22.0	26.3	28.2	31.9	37.9	56.2
17.5°	44.5	41.4	36.8	30.5	36.8	41.4	44.5	41.7	44.5	46.1	56.7
15°	81.5	76.2	70.0	64.2	70.0	76.2	81.5	82.6	81.8	77.9	83.1
12.5°	146.8	139.4	130.7	118.6	130.7	139.4	146.8	162.2	157.9	158.0	157.1
10°	1273.2	1524.5	2187.1	366.3	2187.1	1524.5	1273.2	718.3	1300.0	1153.4	654.9
7.5°	40717.3	55428.6	60999.0	61555.0	60999.0	55428.6	40717.3	30843.5	23825.9	13508.2	7422.8
5°	148499.6	193930.1	224098.9	231670.8	224098.9	193930.1	148499.6	112808.9	77043.4	46174.2	27023.7
2.5°	232610.4	296463.6	349143.3	368271.4	349143.3	296463.6	232610.4	173961.8	127011.7	80186.1	45372.2
0°	356475.9	439326.0	517162.0	552449.6	517162.0	439326.0	356475.9	277721.7	204484.5	130017.5	75193.8
-2.5°	397749.3	490683.1	557146.6	585391.7	557146.6	490683.1	397749.3	313433.2	229337.5	150723.5	83482.8
-5°	374271.3	437986.8	478580.4	493571.1	478580.4	437986.8	374271.3	299925.2	221479.0	147208.5	82470.1
-7.5°	347410.5	394754.9	423212.0	432828.2	423212.0	394754.9	347410.5	280437.7	207465.9	136557.1	79213.7
-10°	320057.7	368225.4	392722.6	402033.3	392722.6	368225.4	320057.7	258076.6	189891.3	121225.1	68166.4
-12.5°	288660.5	336853.0	364454.3	376747.1	364454.3	336853.0	288660.5	228674.8	161874.3	103695.4	61843.5
-15°	248907.5	296570.1	327900.7	340160.2	327900.7	296570.1	248907.5	194459.3	136913.4	88753.1	55584.4
-17.5°	206087.8	249536.9	279190.0	292130.6	279190.0	249536.9	206087.8	158247.2	117110.5	77982.8	51357.5
-20°	170980.3	205244.3	229513.9	237603.1	229513.9	205244.3	170980.3	134144.2	101034.3	70672.8	49620.8



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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°	146266.4	172728.5	192308.7	200875.1	192308.7	172728.5	146266.4	115700.6	88475.9	64304.7	47552.4
-25°	127482.9	149078.5	166912.8	172394.8	166912.8	149078.5	127482.9	102268.2	79128.7	59669.3	44429.7
-27.5°	109432.7	126198.7	140936.9	147150.2	140936.9	126198.7	109432.7	88682.4	69226.4	54201.5	41118.7
-30°	90954.8	103470.0	114994.5	118144.7	114994.5	103470.0	90954.8	75262.6	60194.4	48094.4	37907.5
-32.5°	74503.6	84260.1	93204.9	97583.7	93204.9	84260.1	74503.6	63213.3	51706.5	41939.4	34372.3
-35°	60739.3	67620.2	73491.1	75281.8	73491.1	67620.2	60739.3	52815.4	44328.2	36634.1	30634.0
-37.5°	49092.2	53769.7	57572.7	58828.3	57572.7	53769.7	49092.2	43833.3	37555.8	31576.1	26899.1
-40°	39547.1	42559.8	45063.6	46686.3	45063.6	42559.8	39547.1	36187.8	31609.5	27278.3	23644.7
-42.5°	32121.5	34161.1	35719.1	36503.4	35719.1	34161.1	32121.5	29933.7	26845.7	23721.8	20755.0
-45°	26788.1	28279.2	29336.8	29785.8	29336.8	28279.2	26788.1	25194.0	22932.4	20375.6	17810.4
-47.5°	22216.0	23262.2	23966.8	24310.3	23966.8	23262.2	22216.0	21014.2	19247.1	17046.8	14833.5
-50°	18265.4	19111.3	19595.8	19717.3	19595.8	19111.3	18265.4	17355.6	16156.6	14486.2	12796.5
-52.5°	15362.5	15956.4	16417.2	16763.9	16417.2	15956.4	15362.5	14682.4	13792.1	12364.8	10941.9
-55°	12893.4	13470.7	13844.5	14067.3	13844.5	13470.7	12893.4	12248.7	11520.1	10374.0	9253.4
-57.5°	10541.0	11053.8	11435.6	11720.6	11435.6	11053.8	10541.0	9987.4	9403.2	8584.0	7762.1
-60°	8419.9	8759.7	8955.1	9070.1	8955.1	8759.7	8419.9	8054.1	7668.8	7120.1	6519.0
-62.5°	6890.2	7126.6	7231.0	7274.8	7231.0	7126.6	6890.2	6626.1	6336.0	5913.6	5430.1
-65°	5557.1	5759.4	5826.5	5842.6	5826.5	5759.4	5557.1	5331.9	5085.0	4763.1	4385.2
-67.5°	4335.9	4508.4	4559.6	4570.8	4559.6	4508.4	4335.9	4148.1	3948.0	3707.7	3422.4
-70°	3235.6	3339.8	3367.2	3374.0	3367.2	3339.8	3235.6	3120.3	2994.1	2834.5	2621.3
-72.5°	2510.5	2603.4	2614.8	2608.5	2614.8	2603.4	2510.5	2410.7	2305.2	2177.5	1998.6
-75°	1850.6	1910.7	1961.8	2006.8	1961.8	1910.7	1850.6	1784.2	1711.6	1622.5	1487.2
-77.5°	1300.6	1349.5	1344.9	1334.3	1344.9	1349.5	1300.6	1248.8	1194.1	1133.5	1050.2
-80°	963.6	1003.4	1007.4	1008.3	1007.4	1003.4	963.6	922.3	879.8	835.2	779.3
-82.5°	726.9	756.4	761.3	764.7	761.3	756.4	726.9	696.7	665.9	634.3	596.2
-85°	562.0	583.3	591.5	599.2	591.5	583.3	562.0	540.4	518.5	496.3	470.0
-87.5°	447.9	463.9	465.0	465.9	465.0	463.9	447.9	431.8	415.6	399.3	382.1
-90°	8.5	5.8	3.7	1.6	3.7	5.8	8.5	11.2	13.8	16.5	19.4



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	309.1	297.3	285.6	277.0	268.4	259.7	251.1	245.5	240.0	234.4	228.8
87.5°	22.3	25.1	28.0	30.9	33.8	36.7	39.5	42.2	45.0	47.7	50.5
85°	22.3	25.2	28.1	31.0	33.9	36.7	39.6	42.4	45.2	47.9	50.6
82.5°	22.1	24.9	27.6	30.6	33.5	36.5	39.4	42.3	45.3	48.2	51.1
80°	22.2	24.9	27.6	30.5	33.4	36.3	39.2	42.1	44.9	47.9	50.8
77.5°	22.3	25.0	27.8	30.7	33.6	36.5	39.4	42.3	45.2	48.1	50.9
75°	22.3	25.2	28.1	31.0	33.9	36.9	39.8	42.7	45.6	48.5	51.2
72.5°	22.6	25.5	28.4	31.4	34.3	37.3	40.2	43.1	46.0	48.9	51.6
70°	22.9	25.9	28.8	31.8	34.8	37.7	40.6	43.6	46.5	49.4	52.0
67.5°	23.3	26.2	29.2	32.3	35.3	38.2	41.2	44.1	47.0	49.9	52.6
65°	23.8	26.7	29.8	32.8	35.8	38.8	41.8	44.7	47.7	50.5	53.2
62.5°	24.1	27.2	30.3	33.4	36.5	39.5	42.5	45.4	48.4	51.1	53.7
60°	24.6	27.8	31.0	34.1	37.2	40.2	43.3	46.2	49.2	51.8	54.3
57.5°	25.3	28.5	31.7	34.9	38.0	41.1	44.1	47.1	50.0	52.5	55.0
55°	26.0	29.3	32.5	35.8	38.9	42.0	45.1	48.0	50.9	53.4	55.8
52.5°	26.8	30.2	33.5	36.7	39.9	43.0	46.1	49.1	51.8	54.3	56.7
50°	27.7	31.1	34.5	37.8	41.0	44.2	47.2	50.3	52.9	55.4	57.7
47.5°	28.7	32.2	35.6	39.0	42.2	45.4	48.5	51.3	54.0	56.8	59.0
45°	29.8	33.4	36.9	40.3	43.6	46.8	49.9	52.6	55.1	57.7	60.6
42.5°	31.0	34.7	38.3	41.7	45.0	48.3	51.3	54.1	56.7	58.8	61.4
40°	32.4	36.2	39.8	43.3	46.7	49.9	52.8	55.6	58.3	60.7	62.4
37.5°	34.1	37.8	41.7	45.5	48.7	51.6	54.5	57.2	59.9	62.2	64.1
35°	36.4	40.3	43.9	47.6	51.2	53.8	56.3	59.0	61.5	63.8	65.7
32.5°	39.1	43.3	46.8	50.2	53.3	56.3	58.6	60.9	63.2	65.5	67.4
30°	45.7	48.1	50.8	54.0	57.0	58.8	61.2	63.1	65.1	67.2	69.3
27.5°	54.6	55.1	56.7	58.7	62.4	63.5	64.1	65.8	67.2	69.1	71.0
25°	62.8	64.6	64.0	64.6	66.5	69.2	67.8	68.8	69.9	71.1	72.9
22.5°	68.7	73.6	73.3	71.6	71.4	72.2	72.4	72.1	73.2	74.1	75.1
20°	75.5	86.5	85.5	83.8	78.4	76.0	76.1	77.5	78.2	78.1	77.8
17.5°	80.5	97.2	111.4	107.7	93.2	82.9	88.6	88.4	84.3	82.6	80.9
15°	92.5	124.5	142.6	139.6	131.8	120.6	112.2	103.5	92.6	88.0	92.7
12.5°	173.3	163.1	189.3	255.9	226.7	181.9	148.5	124.7	126.2	140.7	138.7
10°	364.1	785.4	683.8	512.9	370.2	262.4	292.1	277.9	257.6	227.7	193.1
7.5°	5134.3	3002.1	1537.5	1182.1	1129.9	950.9	696.5	501.3	405.4	326.4	253.4
5°	12750.9	6591.5	4277.3	3267.9	2495.0	1812.9	1162.2	744.6	563.3	431.9	320.9
2.5°	20583.5	10593.6	7415.2	5606.2	4198.6	3170.0	2197.1	1648.4	1362.3	1108.1	903.3
0°	35765.0	18796.2	12362.6	9706.4	7171.9	5644.2	4025.1	3118.0	2465.3	1898.1	1490.7
-2.5°	41413.5	22286.7	14522.9	11234.8	8742.5	6940.6	5341.0	4093.9	3101.8	2425.3	1984.3
-5°	42099.8	23514.3	16481.7	12939.9	10279.8	8180.1	6416.1	4985.9	3775.7	2971.8	2459.7
-7.5°	42040.8	24818.7	18077.8	14393.1	11605.0	9246.9	7292.8	5800.6	4570.0	3694.3	3057.9
-10°	38020.9	25598.5	19572.5	15726.5	12703.3	10084.3	8054.8	6535.0	5297.8	4361.8	3601.8
-12.5°	38275.8	26560.5	20425.5	16661.1	13552.8	10965.4	8827.7	7164.8	5950.4	4962.4	4076.0
-15°	36454.2	27717.5	21936.9	17573.7	14247.7	11709.9	9426.4	7535.0	6354.7	5425.9	4468.5
-17.5°	37200.2	28224.5	22655.2	18422.2	15036.5	12183.2	9717.4	7862.6	6654.8	5648.6	4596.1
-20°	35872.7	28335.0	23073.3	18838.7	15394.6	12450.0	9742.1	8057.4	6874.5	5701.1	4576.7



REPORT NUMBER: P1212108 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS12-1000R-40-90-2S-ECV

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	34989.2	27874.6	22960.0	18721.2	15342.0	12376.0	9958.0	8280.2	6994.2	5598.4	4454.3
-25°	34622.1	27071.7	22254.2	18542.5	15053.3	12051.8	10059.3	8542.0	6941.1	5373.2	4244.4
-27.5°	32726.7	26189.5	21583.6	17967.1	14487.2	11963.7	10131.1	8603.7	6699.2	5187.3	4078.6
-30°	30083.2	25028.0	20670.0	16798.9	14034.9	11830.4	10191.2	8121.1	6350.1	4948.9	3994.7
-32.5°	27713.5	23055.0	19077.9	15936.9	13516.6	11743.5	9590.2	7470.5	5868.8	4818.7	3909.9
-35°	25203.0	20972.0	17806.3	15215.3	13157.3	10946.1	8768.1	6867.2	5591.7	4639.8	3770.8
-37.5°	22798.4	19249.2	16638.9	14367.1	12028.4	9839.2	7825.5	6431.7	5358.8	4414.6	3624.1
-40°	20525.2	17673.0	15027.1	12745.2	10583.5	8509.5	7198.8	6096.5	5051.9	4161.6	3446.4
-42.5°	18091.6	15498.0	13026.0	10935.1	9121.4	7869.4	6704.9	5621.5	4692.5	3914.3	3244.3
-45°	15446.2	13180.8	11058.7	9635.6	8410.9	7214.2	6049.9	5131.4	4333.5	3648.4	3006.9
-47.5°	12989.6	11414.5	9980.4	8704.0	7553.1	6452.8	5489.4	4654.2	3996.5	3365.8	2814.6
-50°	11193.8	9955.5	8775.8	7679.0	6672.1	5734.5	4951.7	4261.4	3659.2	3108.4	2597.0
-52.5°	9557.2	8552.9	7592.8	6646.2	5843.6	5132.6	4464.8	3874.0	3330.5	2829.1	2366.2
-55°	8177.6	7321.4	6564.9	5836.7	5152.9	4550.3	3983.6	3464.2	2983.6	2527.4	2137.4
-57.5°	6976.6	6281.1	5665.5	5063.7	4480.5	3967.9	3491.8	3036.7	2629.2	2249.0	1896.2
-60°	5914.9	5326.0	4827.3	4335.6	3853.3	3402.8	3011.2	2636.3	2280.5	1947.7	1632.4
-62.5°	4953.0	4488.9	4058.0	3643.9	3251.9	2887.5	2547.0	2224.0	1918.4	1630.4	1372.6
-65°	4003.7	3622.4	3274.4	2963.0	2656.5	2356.1	2068.3	1807.2	1567.7	1339.9	1116.9
-67.5°	3134.3	2846.2	2576.8	2323.2	2085.7	1853.7	1633.1	1422.1	1236.1	1058.1	882.0
-70°	2397.7	2164.1	1946.9	1751.5	1578.9	1417.3	1257.5	1098.8	939.7	801.6	683.3
-72.5°	1818.9	1639.6	1478.9	1340.8	1199.9	1068.6	946.4	830.5	718.4	610.7	520.4
-75°	1352.2	1218.7	1095.1	989.4	884.7	781.5	695.8	621.1	548.5	478.3	415.1
-77.5°	966.7	883.7	804.3	735.0	665.9	597.2	531.0	475.0	429.4	386.2	348.8
-80°	723.4	667.8	613.7	566.5	520.2	475.1	432.5	396.2	361.6	330.9	305.4
-82.5°	558.1	520.2	483.0	452.0	421.6	392.0	363.8	340.2	317.5	295.8	275.9
-85°	443.7	417.7	392.1	372.3	352.7	333.4	314.7	299.4	284.5	270.3	256.8
-87.5°	365.0	348.0	331.0	317.7	304.6	291.5	278.6	269.1	259.7	250.5	241.5
-90°	22.3	25.1	28.0	30.9	33.8	36.6	39.5	42.4	45.2	48.1	51.0



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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°	224.7	220.6	216.5	212.4	206.2	200.1	193.9	187.7	176.8	165.8	154.9
87.5°	53.0	55.5	58.0	60.5	62.6	64.8	67.0	69.1	70.8	72.4	74.1
85°	53.1	55.5	57.9	60.3	62.5	64.7	66.9	69.2	70.8	72.4	74.1
82.5°	53.7	56.1	58.5	60.9	62.9	65.0	67.1	69.2	70.9	72.5	74.1
80°	53.4	55.9	58.5	61.0	63.2	65.3	67.3	69.3	71.0	72.6	74.2
77.5°	53.4	55.9	58.3	60.8	63.1	65.3	67.5	69.4	71.1	72.7	74.3
75°	53.9	56.5	59.0	61.2	63.3	65.4	67.6	69.6	71.2	72.8	74.4
72.5°	54.1	56.7	59.5	61.9	63.8	65.8	67.9	69.8	71.4	73.0	74.6
70°	54.5	56.9	59.5	61.9	64.1	66.2	68.2	70.0	71.6	73.1	74.7
67.5°	55.3	57.7	60.1	62.0	64.3	66.5	68.5	70.2	71.8	73.3	74.9
65°	55.9	58.5	61.0	62.8	64.7	66.8	68.9	70.5	72.0	73.6	75.1
62.5°	56.4	59.1	61.5	63.5	65.3	67.3	69.2	70.8	72.3	73.8	75.3
60°	56.8	59.5	62.0	64.0	65.9	67.8	69.6	71.1	72.6	74.1	75.5
57.5°	57.4	59.8	62.2	64.5	66.4	68.3	70.0	71.4	72.9	74.3	75.8
55°	58.2	60.5	62.7	64.9	67.0	68.8	70.4	71.8	73.2	74.6	76.0
52.5°	59.1	61.3	63.4	65.5	67.5	69.4	70.9	72.2	73.6	75.0	76.2
50°	60.0	62.3	64.3	66.2	68.2	70.0	71.5	72.8	74.0	75.3	76.5
47.5°	61.0	63.3	65.4	67.1	69.0	70.6	72.1	73.4	74.4	75.7	76.8
45°	62.4	64.4	66.6	68.3	69.7	71.2	72.7	74.1	75.0	76.1	77.1
42.5°	63.8	65.6	67.6	69.7	70.7	71.9	73.3	74.7	75.7	76.5	77.5
40°	64.8	66.9	68.8	70.6	71.8	72.6	74.0	75.3	76.5	77.0	77.8
37.5°	65.9	68.1	70.0	71.4	72.8	73.6	74.7	76.0	77.2	77.6	78.3
35°	67.4	69.3	71.0	72.4	73.6	74.7	75.4	76.6	77.7	78.3	78.7
32.5°	68.9	70.6	72.1	73.4	74.5	75.7	76.3	77.4	78.4	78.9	79.2
30°	70.6	71.9	73.3	74.6	75.5	76.6	77.4	78.4	79.2	79.6	79.7
27.5°	72.4	73.4	74.5	75.8	76.6	77.5	78.8	79.5	80.0	80.2	80.3
25°	74.3	75.1	76.0	77.0	77.9	79.4	80.3	80.7	80.9	80.9	80.9
22.5°	76.1	76.9	77.6	78.2	80.7	81.6	81.9	82.1	81.9	81.6	81.4
20°	78.2	78.8	80.1	82.1	83.7	84.1	83.7	83.4	83.0	82.4	82.0
17.5°	80.4	85.2	87.6	87.2	87.1	86.8	85.8	84.8	84.2	83.2	82.6
15°	100.0	99.8	96.8	93.1	90.8	89.7	88.0	86.2	85.4	84.0	83.7
12.5°	128.9	117.3	107.3	99.7	94.7	92.7	90.3	87.6	86.6	86.0	85.8
10°	162.3	137.3	118.9	106.8	98.7	95.8	92.7	90.6	89.9	88.8	87.8
7.5°	198.9	158.7	131.1	114.2	108.5	107.5	102.8	96.9	93.6	91.7	89.9
5°	307.6	278.1	233.8	182.1	150.3	129.2	114.6	103.6	97.3	94.6	92.1
2.5°	722.9	554.9	398.8	261.9	193.8	151.5	126.5	110.3	100.9	97.5	94.2
0°	1141.7	833.8	564.7	341.6	237.1	173.7	138.3	116.9	104.5	100.4	96.3
-2.5°	1593.3	1226.4	921.0	596.0	380.2	262.9	195.0	147.7	121.1	109.8	102.8
-5°	2027.4	1607.1	1260.4	837.2	517.3	348.9	249.5	177.4	137.3	119.0	109.1
-7.5°	2476.9	1958.3	1535.8	1046.8	644.2	429.6	300.1	205.3	152.7	127.9	115.3
-10°	2890.7	2263.2	1718.2	1173.9	758.6	514.8	348.8	230.4	166.9	136.4	121.3
-12.5°	3247.0	2516.7	1864.4	1280.7	861.9	602.6	413.8	269.9	182.1	144.4	127.0
-15°	3535.4	2708.4	1968.7	1365.2	952.9	680.2	471.2	313.0	212.5	157.4	132.4
-17.5°	3705.6	2829.1	2026.4	1425.3	1030.2	745.9	519.9	350.0	239.2	175.9	141.4
-20°	3648.1	2831.0	2042.7	1459.6	1092.9	798.5	558.9	380.0	261.8	192.3	152.7



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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°	3558.1	2768.6	2058.5	1511.0	1143.5	836.9	587.3	402.5	279.7	206.4	162.7
-25°	3436.3	2689.8	2054.2	1558.4	1181.5	866.4	608.8	416.7	292.4	217.9	171.5
-27.5°	3315.2	2613.8	2032.8	1581.6	1204.1	881.2	623.6	431.3	302.2	226.6	178.9
-30°	3191.6	2569.7	2028.3	1583.6	1209.0	888.3	626.6	438.7	312.2	234.3	184.8
-32.5°	3117.2	2508.7	2004.6	1573.8	1203.3	883.1	626.3	438.2	318.0	240.9	189.8
-35°	3059.4	2455.1	1953.2	1542.6	1183.9	880.0	627.0	429.6	319.5	245.3	194.0
-37.5°	2952.4	2381.7	1897.2	1496.7	1148.0	866.4	625.6	434.6	316.5	247.3	196.9
-40°	2825.2	2284.3	1827.8	1439.4	1115.3	842.3	613.6	436.2	314.7	246.9	198.7
-42.5°	2658.4	2175.9	1746.5	1365.6	1076.8	816.7	592.6	428.5	315.7	246.7	199.3
-45°	2502.2	2047.3	1646.7	1312.1	1027.4	778.7	572.3	413.2	311.7	245.9	199.8
-47.5°	2322.1	1908.7	1547.3	1240.4	968.9	731.3	540.6	400.6	302.1	243.6	200.7
-50°	2139.1	1764.8	1443.2	1151.5	894.0	679.4	502.5	380.8	295.7	239.1	200.8
-52.5°	1962.2	1622.3	1318.3	1044.3	813.6	614.5	468.5	355.5	285.8	235.3	200.0
-55°	1780.1	1455.3	1172.5	931.9	722.7	557.0	426.2	337.9	272.5	231.3	198.4
-57.5°	1569.8	1267.5	1025.8	812.1	637.1	495.1	390.7	316.2	262.9	225.8	196.9
-60°	1343.8	1093.1	873.0	699.6	551.7	438.1	358.4	295.0	253.3	219.4	193.7
-62.5°	1131.2	913.0	735.3	586.9	474.1	389.1	325.0	280.3	242.1	214.1	189.7
-65°	924.3	748.6	594.5	491.7	404.6	341.3	303.0	263.6	233.5	208.2	185.5
-67.5°	720.1	598.9	485.7	398.9	349.1	311.2	278.4	251.0	225.2	201.6	181.8
-70°	572.8	468.8	393.0	346.5	310.5	281.1	262.0	239.8	216.2	196.8	177.8
-72.5°	452.4	391.4	338.0	300.0	281.7	264.1	247.0	229.0	210.2	191.7	173.4
-75°	363.5	329.6	300.7	278.0	262.0	246.9	235.3	221.8	203.9	186.3	170.5
-77.5°	321.8	296.9	274.3	258.2	247.3	236.6	226.0	214.2	197.9	182.7	168.0
-80°	288.5	272.7	258.1	245.3	235.6	226.1	217.6	208.2	193.5	179.1	165.2
-82.5°	263.7	253.3	243.7	234.7	226.9	219.0	211.0	202.4	188.7	175.3	162.5
-85°	248.9	241.2	233.7	226.6	219.2	211.7	204.4	197.0	184.6	172.3	160.1
-87.5°	235.9	230.3	224.8	219.4	212.7	205.9	199.2	192.5	180.8	169.2	157.6
-90°	53.5	55.9	58.4	60.9	62.9	65.0	67.0	69.1	70.8	72.4	74.1



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	144.0	130.8	117.7	104.5	91.4	86.4	81.5
87.5°	75.7	77.0	78.2	79.5	80.7	81.1	81.5
85°	75.7	77.0	78.2	79.5	80.7	81.1	81.5
82.5°	75.8	77.0	78.2	79.5	80.7	81.1	81.5
80°	75.8	77.0	78.3	79.5	80.7	81.1	81.5
77.5°	75.9	77.1	78.3	79.5	80.7	81.1	81.5
75°	75.9	77.2	78.4	79.6	80.7	81.1	81.5
72.5°	76.0	77.2	78.4	79.6	80.7	81.1	81.5
70°	76.1	77.3	78.5	79.7	80.7	81.1	81.5
67.5°	76.2	77.4	78.6	79.7	80.8	81.1	81.5
65°	76.4	77.5	78.7	79.8	80.8	81.1	81.5
62.5°	76.5	77.6	78.8	79.9	80.8	81.1	81.5
60°	76.7	77.8	78.9	79.9	80.8	81.2	81.5
57.5°	76.8	77.9	79.0	80.0	80.8	81.2	81.5
55°	77.0	78.1	79.1	80.1	80.9	81.2	81.5
52.5°	77.2	78.2	79.2	80.2	80.9	81.2	81.5
50°	77.4	78.4	79.4	80.3	80.9	81.2	81.5
47.5°	77.6	78.6	79.5	80.4	81.0	81.2	81.5
45°	77.9	78.7	79.6	80.5	81.0	81.2	81.5
42.5°	78.2	78.9	79.8	80.7	81.1	81.2	81.5
40°	78.6	79.1	80.0	80.8	81.1	81.2	81.5
37.5°	78.9	79.4	80.1	80.9	81.2	81.3	81.5
35°	79.3	79.6	80.3	81.0	81.3	81.3	81.5
32.5°	79.7	79.9	80.5	81.2	81.3	81.3	81.5
30°	80.1	80.3	80.7	81.3	81.4	81.3	81.5
27.5°	80.5	80.6	81.0	81.5	81.5	81.3	81.5
25°	80.9	80.9	81.4	81.7	81.5	81.3	81.5
22.5°	81.4	81.4	81.8	81.9	81.6	81.3	81.5
20°	81.9	82.2	82.3	82.1	81.7	81.4	81.5
17.5°	82.8	83.0	82.8	82.4	81.8	81.4	81.5
15°	84.2	83.8	83.3	82.6	81.8	81.4	81.5
12.5°	85.6	84.6	83.8	82.8	81.9	81.4	81.5
10°	87.1	85.5	84.3	83.1	82.0	81.4	81.5
7.5°	88.6	86.4	84.8	83.3	82.1	81.4	81.5
5°	90.1	87.2	85.4	83.5	82.2	81.5	81.5
2.5°	91.5	88.1	85.9	83.8	82.2	81.5	81.5
0°	93.0	88.9	86.4	84.0	82.3	81.5	81.5
-2.5°	97.6	91.7	88.1	85.1	82.9	81.8	81.5
-5°	102.1	94.5	89.8	86.2	83.6	82.0	81.5
-7.5°	106.5	97.2	91.5	87.3	84.2	82.3	81.5
-10°	110.6	99.8	93.1	88.4	84.8	82.6	81.5
-12.5°	114.5	102.2	94.7	89.4	85.4	82.8	81.5
-15°	118.1	104.6	96.2	90.4	86.0	83.1	81.5
-17.5°	121.3	106.7	97.7	91.4	86.6	83.3	81.5
-20°	125.8	108.7	99.0	92.3	87.2	83.6	81.5



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	132.5	110.5	100.3	93.2	87.7	83.8	81.5
-25°	138.5	114.3	101.5	94.0	88.2	84.1	81.5
-27.5°	143.8	118.6	102.6	94.8	88.7	84.3	81.5
-30°	148.4	122.6	103.8	95.5	89.2	84.5	81.5
-32.5°	152.1	126.1	106.6	96.2	89.6	84.7	81.5
-35°	156.0	129.2	109.2	96.8	90.0	84.9	81.5
-37.5°	159.5	132.1	111.5	97.3	90.4	85.1	81.5
-40°	162.4	134.8	113.5	97.8	90.7	85.3	81.5
-42.5°	164.6	137.0	115.3	98.5	91.0	85.4	81.5
-45°	166.2	138.9	116.9	99.7	91.3	85.6	81.5
-47.5°	167.2	140.3	118.3	100.8	91.5	85.7	81.5
-50°	168.0	141.2	119.4	101.8	91.7	85.9	81.5
-52.5°	168.4	141.7	120.3	102.7	91.9	86.0	81.5
-55°	168.1	142.2	120.9	103.5	92.0	86.1	81.5
-57.5°	167.2	142.2	121.2	104.2	92.1	86.2	81.5
-60°	165.9	142.0	121.3	104.8	92.2	86.3	81.5
-62.5°	164.5	141.3	121.7	105.2	92.3	86.4	81.5
-65°	162.8	140.4	122.0	105.6	92.3	86.4	81.5
-67.5°	160.5	139.6	122.1	105.8	92.3	86.5	81.5
-70°	157.8	139.2	122.0	105.9	92.3	86.5	81.5
-72.5°	156.4	138.5	121.7	106.0	92.3	86.6	81.5
-75°	155.0	137.7	121.3	106.1	92.3	86.6	81.5
-77.5°	153.3	136.6	121.0	106.1	92.2	86.6	81.5
-80°	151.3	135.7	120.6	105.9	92.1	86.6	81.5
-82.5°	149.7	134.7	120.0	105.7	91.9	86.6	81.5
-85°	148.0	133.5	119.4	105.4	91.8	86.5	81.5
-87.5°	146.1	132.3	118.6	105.0	91.6	86.5	81.5
-90°	75.7	77.0	78.2	79.5	80.7	81.1	81.5

(END OF REPORT)