

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: P1212186 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS12-1000R-57-70-4S-ECV**

Issue Date: 11/14/2025

Test Information

Test Method: LM-79-08
Report Number: P1212186 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2509-549-28)
Test Lab: INNOVATION CENTER
Issue Date: 11/14/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: EPHESUS
Catalog Number: EPH-LS12-1000R-57-70-4S-ECV
Description: EPHESUS LS12 LUMINAIRE
(12) 5700K, 70 CRI LEDS AND 4S BEAM SHAPE WITH EXTREME CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

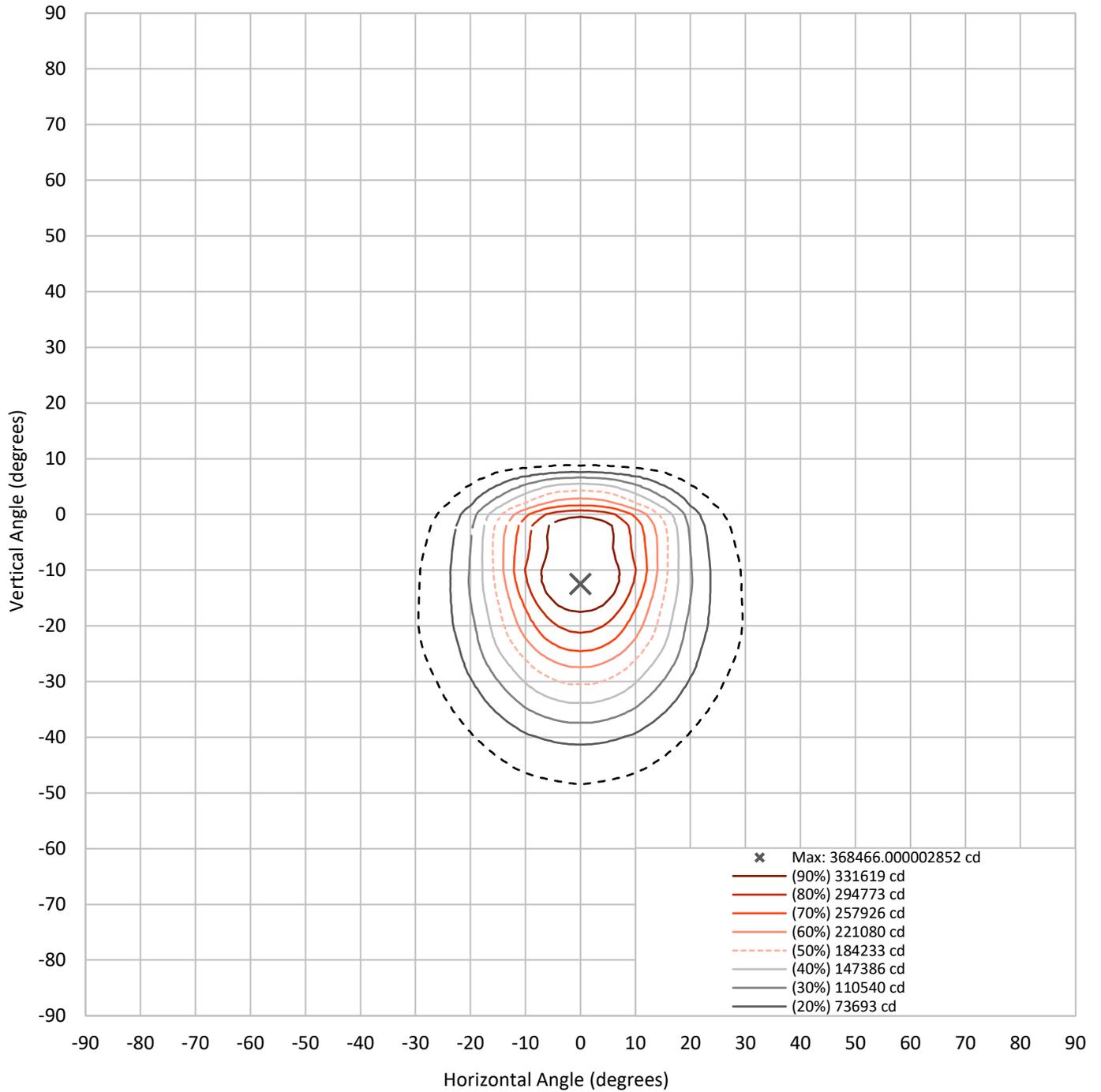
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	139124.5 lumens	Max Intensity:	368466 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -12.5°V
Efficacy:	133.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.83' x L: 0.79' x H: 0')		
Beam Angle (50%):	31.2°H x 35°V	Field Angle (10%):	58.5°H x 57.2°V
Beam Lumens:	74655.8 lumens	Field Lumens:	124023.3 lumens
Beam Efficiency:	53.7%	Field Efficiency:	89.1%
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-57-70-4S-ECV

Iso-Candela Plot





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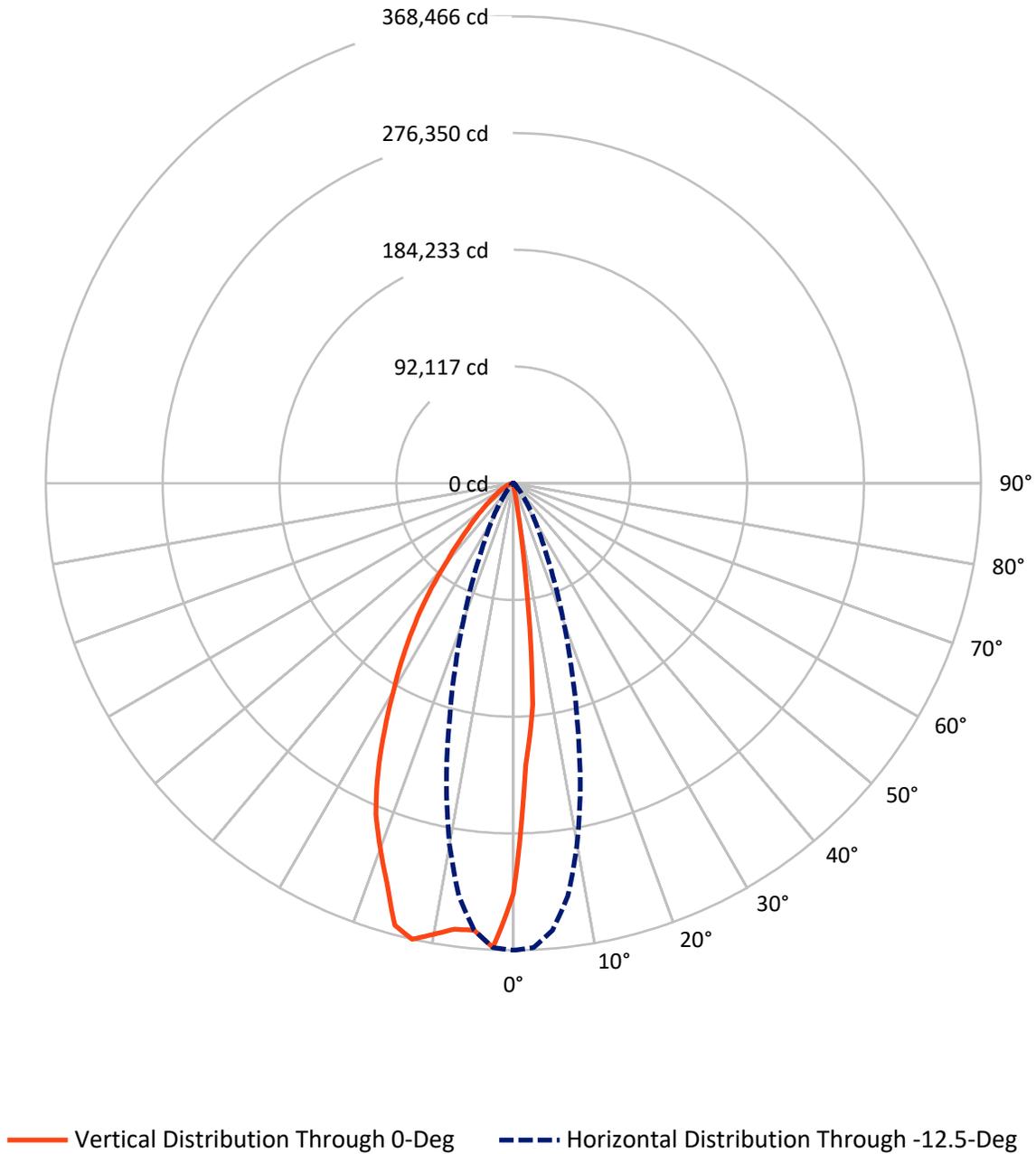
CATALOG NUMBER: EPH-LS12-1000R-57-70-4S-ECV

Lumen Table

90	2.4	6.2	7.3	6.1	4.4	6.1	7.3	6.2	2.4										
80	2.4	1.3	1.6	1.6	1.5	1.1	0.7	0.2	0.2	0.7	1.1	1.5	1.6	1.6	1.3	2.4			
70	2.4	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	2.4			
60	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			
50	2.4	1.4	1.8	2.0	2.0	1.7	1.2	0.4	0.4	1.2	1.7	2.0	2.0	1.8	1.4	2.4			
40	2.4	1.5	2.0	2.3	2.5	2.5	1.7	0.6	0.6	1.7	2.5	2.5	2.3	2.0	1.5	2.6			
30	2.6	1.7	2.6	3.8	5.3	12.1	22.1	21.2	21.2	22.1	12.1	5.3	3.8	2.6	1.7	2.6			
20	2.6	2.2	5.3	16.1	97.7	584.0	2378.3	4399.0	4399.0	2378.3	584.0	97.7	16.1	5.3	2.2	3.1			
10	3.1	3.9	15.6	54.7	354.1	1655.1	5790.6	10038.8	10038.8	5790.6	1655.1	354.1	54.7	15.6	3.9	3.1			
0	3.1	6.4	27.0	83.0	453.3	1807.9	5520.2	9805.9	9805.9	5520.2	1807.9	453.3	83.0	27.0	6.4	4.0			
-10	4.0	8.3	33.5	92.2	385.8	1507.1	4142.2	7033.3	7033.3	4142.2	1507.1	385.8	92.2	33.5	8.3	4.0			
-20	4.0	8.7	34.8	91.5	263.0	887.5	2331.1	3839.9	3839.9	2331.1	887.5	263.0	91.5	34.8	8.7	4.7			
-30	4.7	7.8	30.2	80.5	182.2	449.8	988.9	1502.5	1502.5	988.9	449.8	182.2	80.5	30.2	7.8	4.7			
-40	4.7	6.3	20.6	57.1	123.2	240.6	425.5	577.7	577.7	425.5	240.6	123.2	57.1	20.6	6.3	4.6			
-50	4.6	4.8	11.6	29.9	63.6	114.4	182.9	232.4	232.4	182.9	114.4	63.6	29.9	11.6	4.8	4.6			
-60	4.6	4.8	11.6	29.9	63.6	114.4	182.9	232.4	232.4	182.9	114.4	63.6	29.9	11.6	4.8	4.6			
-70	4.6	4.8	11.6	29.9	63.6	114.4	182.9	232.4	232.4	182.9	114.4	63.6	29.9	11.6	4.8	4.6			
-80	4.0	19.0	53.9	132.5	191.5	132.5	53.9	19.0	4.0							4.0			
-90	4.0	19.0	53.9	132.5	191.5	132.5	53.9	19.0	4.0							4.0			

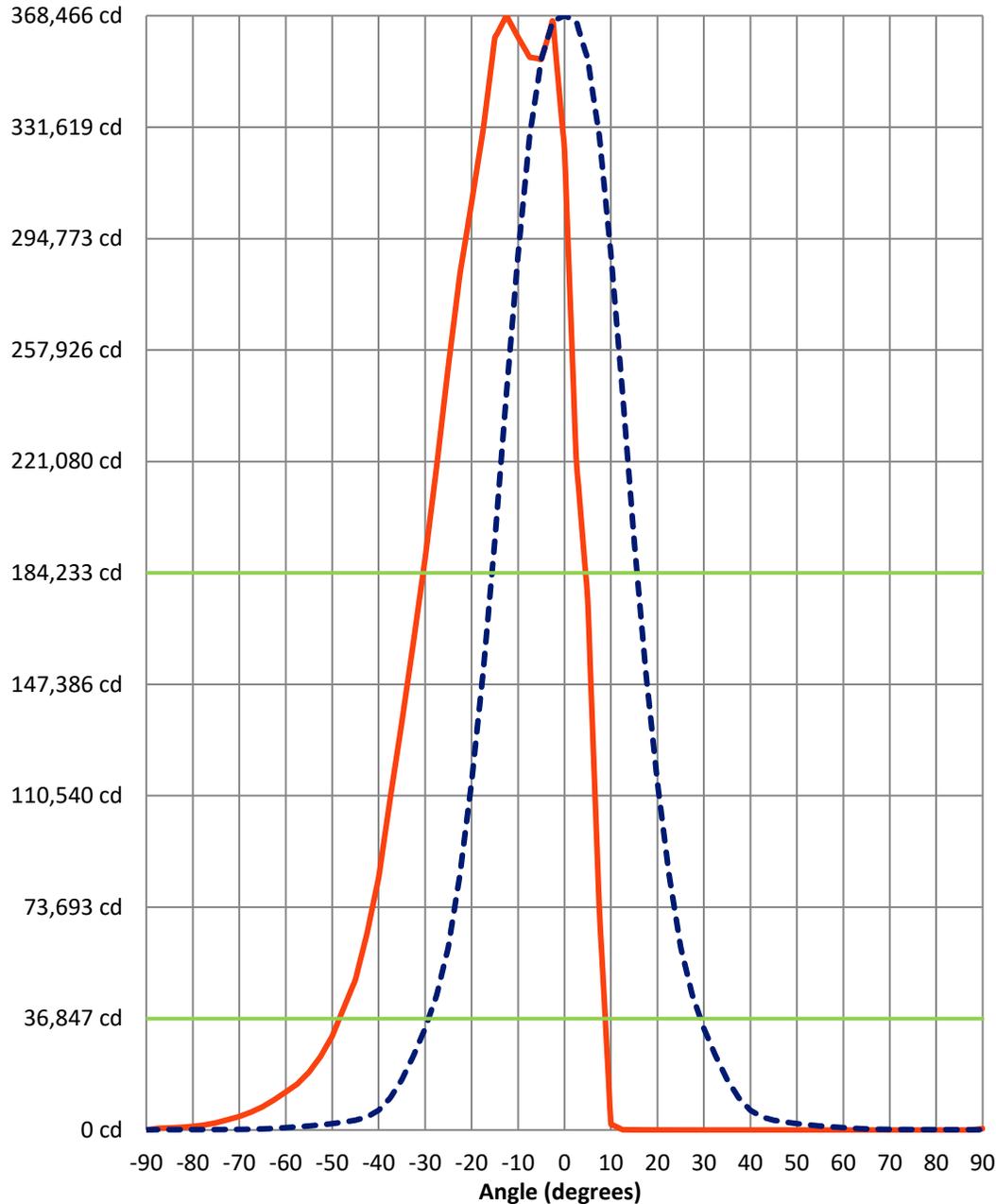
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CATALOG NUMBER: EPH-LS12-1000R-57-70-4S-ECV

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 31.2°
 V Angle: 35°
 Lumens: 74655.8
 Efficiency: 53.7%

Field:
 H Angle: 58.5°
 V Angle: 57.2°
 Lumens: 124023.3
 Efficiency: 89.1%

Spill:
 Lumens: 15101.2
 Efficiency: 10.9%

— Vertical Distribution through 0-Deg
 - - - Horizontal Distribution through -12.5-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	121.1	131.7	142.3	154.7	167.0	179.4	191.8	207.2	222.6	238.0	253.4
87.5°	121.1	118.7	116.1	114.3	112.6	110.8	109.0	106.5	104.0	101.4	98.9
85°	121.1	118.7	116.1	114.3	112.6	110.8	109.0	106.5	104.0	101.5	99.0
82.5°	121.1	118.8	116.1	114.4	112.6	110.8	109.1	106.6	104.1	101.6	99.1
80°	121.1	118.9	116.2	114.4	112.7	110.9	109.2	106.9	104.4	101.9	99.3
77.5°	121.1	119.0	116.2	114.4	112.7	111.0	109.5	107.3	104.8	102.2	99.5
75°	121.1	119.1	116.3	114.5	112.8	111.3	109.9	107.7	105.1	102.4	99.7
72.5°	121.1	119.2	116.4	114.6	113.0	111.5	110.2	108.1	105.4	102.7	100.0
70°	121.1	119.3	116.5	114.6	113.1	111.8	110.5	108.3	105.7	103.0	100.4
67.5°	121.1	119.4	116.7	114.8	113.3	112.0	110.7	108.6	106.0	103.4	100.8
65°	121.1	119.6	116.8	114.9	113.5	112.2	110.8	108.9	106.4	103.8	101.2
62.5°	121.1	119.7	117.0	115.0	113.7	112.4	111.0	109.3	106.8	104.3	101.7
60°	121.1	119.8	117.2	115.1	113.9	112.5	111.2	109.7	107.2	104.7	102.2
57.5°	121.1	120.0	117.4	115.2	114.0	112.7	111.4	110.1	107.7	105.3	102.8
55°	121.1	120.1	117.7	115.4	114.1	112.9	111.7	110.4	108.2	105.8	103.4
52.5°	121.1	120.3	117.9	115.5	114.3	113.1	112.0	110.7	108.8	106.5	104.1
50°	121.1	120.4	118.3	115.6	114.5	113.4	112.4	111.1	109.4	107.1	104.8
47.5°	121.1	120.6	118.6	115.8	114.6	113.7	112.7	111.6	110.0	107.8	105.6
45°	121.1	120.7	118.9	115.9	114.8	114.0	113.2	112.2	110.6	108.5	106.4
42.5°	121.1	120.9	119.3	116.0	115.0	114.4	113.7	112.8	111.3	109.3	107.6
40°	121.1	121.1	119.7	116.5	115.3	114.8	114.3	113.5	112.1	110.1	109.1
37.5°	121.1	121.3	120.2	117.2	115.6	115.2	114.9	114.2	113.1	111.4	110.6
35°	121.1	121.5	120.6	117.9	115.9	115.6	115.6	115.0	114.2	113.2	111.9
32.5°	121.1	121.7	121.1	118.7	116.2	116.2	116.3	115.8	115.5	115.1	113.4
30°	121.1	121.9	121.6	119.5	116.5	116.7	117.0	116.8	116.9	117.0	115.2
27.5°	121.1	122.1	122.1	120.4	117.9	117.3	117.7	118.0	118.5	119.0	117.2
25°	121.1	122.3	122.6	121.3	119.5	117.9	118.5	119.2	120.2	120.9	119.6
22.5°	121.1	122.5	123.2	122.2	121.2	119.0	119.3	120.5	122.0	122.9	122.5
20°	121.1	122.7	123.7	123.1	123.0	121.7	120.1	121.9	123.8	125.0	125.6
17.5°	121.1	122.9	124.3	124.1	124.8	124.4	122.7	123.3	125.6	127.2	128.9
15°	121.1	123.1	124.9	125.1	126.7	127.2	126.6	126.3	127.4	129.6	132.3
12.5°	121.1	123.3	125.4	126.1	128.6	130.0	130.5	131.5	132.0	132.0	135.8
10°	121.1	123.5	126.0	127.1	130.6	132.9	134.4	136.7	138.9	140.2	142.0
7.5°	121.1	123.6	126.6	128.2	132.5	135.7	138.4	141.9	145.8	149.2	153.9
5°	121.1	123.8	127.1	129.2	134.5	138.6	142.4	147.2	152.8	158.4	165.9
2.5°	121.1	124.0	127.7	130.2	136.4	141.5	146.4	152.4	159.7	167.5	177.9
0°	121.1	124.2	128.2	131.2	138.3	144.3	150.4	157.5	166.6	176.6	189.8
-2.5°	121.1	124.7	129.3	133.2	141.2	148.3	155.6	164.3	177.0	195.3	229.0
-5°	121.1	125.2	130.4	135.3	144.0	152.2	160.8	170.9	187.0	213.3	266.7
-7.5°	121.1	125.7	131.4	137.3	146.8	156.1	165.8	177.4	196.7	230.4	301.7
-10°	121.1	126.2	132.5	139.2	149.5	159.8	170.7	183.6	205.7	246.0	332.9
-12.5°	121.1	126.6	133.5	141.1	152.1	163.4	175.4	189.6	214.1	263.5	381.7
-15°	121.1	127.1	134.4	142.9	154.6	166.8	179.9	195.3	229.7	304.0	435.6
-17.5°	121.1	127.5	135.4	144.6	157.0	170.1	184.2	206.4	253.5	339.6	482.9
-20°	121.1	128.0	136.3	146.2	159.2	173.2	190.3	220.9	274.3	369.6	522.6



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 CATALOG NUMBER: EPH-LS12-1000R-57-70-4S-ECV

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	121.1	128.4	137.1	147.8	161.4	176.1	199.0	233.8	291.8	393.1	554.1
-25°	121.1	128.8	138.0	149.2	163.4	180.6	206.9	245.0	305.6	409.7	576.8
-27.5°	121.1	129.2	138.7	150.5	165.2	185.4	213.7	254.5	315.4	421.7	596.1
-30°	121.1	129.5	139.5	151.7	167.0	189.6	219.6	261.9	324.7	433.1	605.3
-32.5°	121.1	129.9	140.2	152.8	169.6	193.4	224.2	268.5	333.2	438.6	603.8
-35°	121.1	130.2	140.8	153.7	171.8	196.5	228.4	273.8	338.7	437.9	591.3
-37.5°	121.1	130.5	141.4	154.5	173.7	199.1	232.0	277.4	341.1	430.9	587.8
-40°	121.1	130.8	141.9	155.2	175.2	201.3	234.7	279.3	340.4	427.5	581.1
-42.5°	121.1	131.0	142.4	155.9	176.5	202.9	236.4	279.3	339.5	426.9	564.0
-45°	121.1	131.3	142.9	156.7	177.7	204.0	237.3	278.8	337.4	421.2	539.6
-47.5°	121.1	131.5	143.2	157.4	178.5	204.4	237.2	278.5	333.0	410.2	525.5
-50°	121.1	131.7	143.6	158.2	179.1	204.4	236.8	276.9	326.6	401.3	504.4
-52.5°	121.1	131.9	143.8	158.9	179.5	203.8	235.6	274.1	320.9	388.3	477.9
-55°	121.1	132.0	144.0	159.4	179.6	203.5	233.7	270.3	314.8	371.2	455.6
-57.5°	121.1	132.2	144.2	159.8	179.4	203.0	231.1	266.5	306.7	358.1	428.6
-60°	121.1	132.3	144.3	160.0	179.0	202.2	228.0	261.5	297.6	344.6	401.6
-62.5°	121.1	132.3	144.4	160.1	178.8	201.0	226.1	255.7	290.4	328.9	381.3
-65°	121.1	132.4	144.5	160.1	178.5	199.4	223.7	250.2	282.3	317.5	358.4
-67.5°	121.1	132.4	144.5	159.9	177.9	197.9	220.9	246.3	273.5	306.8	342.0
-70°	121.1	132.4	144.4	159.6	177.1	196.5	217.7	241.9	267.8	295.2	328.1
-72.5°	121.1	132.4	144.3	159.3	176.2	194.8	214.9	237.1	261.5	287.3	314.3
-75°	121.1	132.4	144.2	158.9	175.0	192.8	212.0	232.9	254.8	278.8	304.0
-77.5°	121.1	132.3	144.0	158.5	174.0	190.6	208.7	228.7	249.4	270.6	293.1
-80°	121.1	132.2	143.7	157.9	172.9	188.6	205.1	224.3	243.9	264.0	284.4
-82.5°	121.1	132.1	143.4	157.2	171.6	186.5	202.0	219.9	238.1	257.0	276.1
-85°	121.1	132.0	143.1	156.4	170.2	184.3	198.8	215.9	233.1	250.6	268.1
-87.5°	121.1	131.9	142.7	155.6	168.7	181.9	195.4	211.6	228.0	244.4	260.9
-90°	121.1	118.6	116.1	114.3	112.6	110.8	109.0	106.5	104.0	101.4	98.9



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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°	262.0	270.6	279.1	287.7	292.0	296.3	300.5	304.8	311.4	318.0	324.5
87.5°	95.7	92.4	89.1	85.8	82.1	78.3	74.5	70.7	66.7	62.6	58.6
85°	95.7	92.5	89.2	85.9	82.2	78.4	74.6	70.9	66.8	62.8	58.7
82.5°	95.9	92.6	89.4	86.1	82.4	78.6	74.8	71.1	67.0	63.0	58.9
80°	96.1	92.8	89.6	86.3	82.7	78.9	75.1	71.4	67.4	63.3	59.2
77.5°	96.4	93.1	89.9	86.6	83.0	79.3	75.5	71.7	67.8	63.7	59.6
75°	96.7	93.5	90.2	87.0	83.5	79.7	76.0	72.2	68.3	64.2	60.1
72.5°	97.1	93.9	90.7	87.5	84.0	80.3	76.5	72.7	68.8	64.8	60.7
70°	97.5	94.3	91.2	88.0	84.6	80.9	77.1	73.4	69.5	65.5	61.4
67.5°	98.0	94.9	91.7	88.6	85.3	81.6	77.9	74.1	70.3	66.2	62.1
65°	98.6	95.5	92.3	89.2	86.0	82.4	78.7	74.9	71.2	67.0	62.6
62.5°	99.1	96.1	93.0	89.9	86.8	83.3	79.6	75.9	72.1	68.0	63.6
60°	99.7	96.8	93.8	90.7	87.6	84.3	80.6	76.9	73.1	69.1	64.9
57.5°	100.3	97.6	94.6	91.6	88.5	85.4	81.7	78.0	74.3	70.5	66.3
55°	101.0	98.5	95.5	92.6	89.5	86.5	82.9	79.3	75.5	71.7	67.7
52.5°	101.7	99.3	96.5	93.6	90.6	87.6	84.3	80.6	76.9	73.1	69.2
50°	102.5	100.3	97.6	94.7	91.9	88.9	85.7	82.1	78.4	74.6	70.8
47.5°	103.6	101.4	98.7	96.0	93.4	90.4	87.1	83.7	80.0	76.3	72.4
45°	104.8	102.5	99.8	97.6	95.0	91.9	88.7	85.4	81.8	78.1	74.4
42.5°	106.2	103.5	101.3	99.5	96.5	93.5	90.4	87.1	83.8	80.5	76.6
40°	107.2	104.5	102.9	100.8	98.1	95.2	92.1	89.1	86.5	82.8	78.8
37.5°	108.2	106.1	104.5	102.2	99.8	97.0	94.0	91.4	88.7	85.3	81.7
35°	109.1	107.7	105.9	103.7	101.5	98.9	96.2	93.7	91.2	88.3	84.8
32.5°	110.4	109.3	107.3	105.5	103.4	101.0	98.3	96.6	94.2	91.4	87.8
30°	112.4	110.7	108.8	107.4	105.5	103.3	101.2	99.7	97.4	94.7	92.2
27.5°	115.5	112.2	110.7	109.4	107.8	106.0	104.9	102.9	100.9	98.8	97.3
25°	118.8	116.4	112.6	111.6	110.4	109.4	108.8	107.1	105.2	103.8	102.7
22.5°	122.5	121.3	118.8	113.9	113.4	113.1	112.9	112.7	112.4	110.0	108.6
20°	126.7	126.9	125.9	123.1	118.2	117.0	117.5	119.5	121.9	122.2	118.7
17.5°	131.2	133.0	134.0	133.8	132.6	128.8	122.7	127.2	133.5	136.9	137.9
15°	136.0	139.5	142.6	145.7	149.4	154.3	156.8	149.2	146.8	154.2	161.3
12.5°	141.0	146.3	151.9	158.5	168.1	184.7	205.3	223.4	228.5	207.3	194.3
10°	146.2	153.3	161.5	171.9	188.3	218.7	260.5	309.3	358.1	421.2	500.1
7.5°	162.1	170.4	178.5	185.7	209.4	255.3	320.3	403.4	502.9	673.7	981.6
5°	180.1	198.8	235.7	272.9	313.7	365.7	430.4	504.4	656.7	950.1	1526.8
2.5°	198.2	227.8	295.2	374.2	473.2	591.7	748.1	945.3	1215.3	1859.2	2932.6
0°	216.0	256.4	354.3	475.4	632.9	817.6	1065.9	1386.9	1853.3	3069.6	5065.3
-2.5°	285.8	377.4	506.3	670.2	867.5	1100.2	1405.5	1797.5	2440.1	4011.2	6801.7
-5°	353.0	493.6	653.4	858.0	1093.8	1371.9	1729.6	2186.4	2995.9	4903.3	8288.6
-7.5°	415.6	601.5	793.7	1035.7	1312.0	1643.8	2058.0	2587.3	3554.5	5750.5	9452.4
-10°	476.2	704.7	931.8	1201.6	1519.7	1903.2	2365.8	2949.1	4002.8	6323.5	10226.7
-12.5°	557.7	804.1	1060.7	1353.6	1706.8	2134.5	2642.2	3264.0	4315.0	6562.4	10654.2
-15°	629.9	892.6	1177.7	1489.8	1870.0	2333.1	2882.9	3525.8	4494.7	6533.2	10766.0
-17.5°	691.3	969.1	1281.2	1608.3	2006.1	2494.9	3080.1	3739.5	4661.7	6556.2	10600.0
-20°	740.6	1032.5	1370.2	1707.7	2115.8	2617.5	3217.4	3920.1	4855.4	6502.9	9766.3



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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°	776.8	1082.0	1439.8	1796.4	2215.0	2711.0	3308.0	4027.2	4923.2	6172.2	9146.7
-25°	805.7	1119.9	1487.5	1875.3	2293.4	2775.7	3349.3	4063.7	4933.9	6459.5	9106.6
-27.5°	828.8	1139.6	1523.8	1935.0	2350.7	2819.8	3379.5	4066.1	5093.1	6566.3	8680.2
-30°	839.6	1151.6	1540.1	1970.5	2395.6	2860.7	3389.0	4103.7	5098.8	6518.2	8482.9
-32.5°	844.8	1150.4	1539.8	1970.9	2420.0	2877.3	3421.7	4130.4	5045.5	6253.7	8027.5
-35°	843.0	1150.2	1522.5	1947.3	2418.8	2890.0	3448.1	4108.0	4910.0	6001.9	7599.8
-37.5°	830.6	1132.6	1487.0	1904.3	2368.2	2886.8	3422.5	4056.3	4804.3	5729.1	7160.9
-40°	803.7	1097.5	1444.9	1845.7	2304.2	2833.8	3376.2	3961.4	4654.7	5565.5	6667.7
-42.5°	765.0	1051.4	1386.6	1766.9	2215.8	2725.2	3287.2	3850.4	4507.1	5317.1	6301.1
-45°	733.2	988.1	1309.2	1675.5	2096.3	2583.2	3123.6	3710.7	4333.1	5044.6	5893.9
-47.5°	688.7	915.4	1216.4	1557.3	1953.3	2407.8	2921.9	3489.9	4113.0	4767.3	5484.0
-50°	640.1	848.1	1101.3	1422.3	1786.9	2205.5	2680.8	3225.2	3807.1	4435.9	5103.3
-52.5°	605.5	766.6	995.7	1269.0	1603.8	1981.9	2426.0	2928.1	3466.6	4035.8	4690.2
-55°	563.0	704.4	880.8	1121.3	1405.6	1746.0	2154.0	2615.3	3102.0	3625.2	4213.9
-57.5°	523.2	639.9	783.2	970.7	1216.9	1501.1	1877.2	2283.4	2728.7	3197.8	3701.0
-60°	483.4	576.7	694.3	843.9	1025.4	1285.7	1589.9	1946.0	2337.8	2751.4	3193.3
-62.5°	442.1	518.9	611.3	726.6	876.7	1071.2	1333.5	1625.5	1934.6	2286.7	2664.0
-65°	412.2	462.7	535.9	627.6	730.5	901.6	1101.1	1322.4	1590.6	1862.9	2138.4
-67.5°	378.8	423.1	472.6	532.5	623.7	748.4	883.9	1068.9	1272.7	1487.2	1713.9
-70°	358.1	384.0	423.4	470.0	528.3	617.3	732.8	857.2	992.4	1154.5	1345.5
-72.5°	339.3	362.2	386.5	412.0	460.9	527.5	602.2	684.5	788.7	912.3	1043.0
-75°	323.4	340.1	360.7	382.8	413.1	451.7	497.0	561.0	636.0	718.8	805.4
-77.5°	310.0	325.1	340.5	355.9	376.8	405.9	438.6	474.7	521.3	573.3	627.7
-80°	297.7	309.9	323.6	337.4	353.9	372.2	391.9	413.0	443.9	481.2	523.2
-82.5°	288.0	299.2	310.5	321.7	333.2	345.2	358.1	373.3	397.0	422.8	449.8
-85°	278.4	288.4	298.6	308.9	317.8	327.0	336.5	346.3	362.1	378.7	396.0
-87.5°	270.3	279.5	288.8	298.0	304.4	310.8	317.4	324.0	334.4	344.9	355.7
-90°	95.6	92.4	89.1	85.8	82.0	78.3	74.5	70.7	66.7	62.6	58.6



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	331.1	340.7	350.3	359.8	369.4	381.8	394.2	406.5	418.9	431.5	444.2
87.5°	54.5	50.5	46.5	42.5	38.4	34.4	30.3	26.3	22.2	18.4	14.7
85°	54.7	50.6	46.6	42.6	38.5	34.5	30.4	26.4	22.3	18.5	14.7
82.5°	54.9	50.7	46.5	42.2	37.9	34.0	30.1	26.2	22.4	18.6	14.8
80°	55.2	51.0	46.8	42.6	38.5	34.6	30.6	26.6	22.6	18.7	14.9
77.5°	55.6	51.5	47.4	43.3	39.3	35.1	31.0	26.9	22.8	18.9	15.0
75°	56.0	51.9	47.8	43.5	39.2	35.0	31.0	26.9	23.0	19.1	15.2
72.5°	56.6	52.4	47.9	43.5	39.1	34.9	30.9	26.7	22.5	18.6	14.9
70°	57.2	53.0	48.6	44.1	39.7	35.3	31.1	26.9	22.7	18.8	15.0
67.5°	57.8	53.3	48.8	44.5	40.2	35.9	31.7	27.4	23.1	19.1	15.3
65°	58.1	53.7	49.4	45.2	40.9	36.6	32.4	28.2	24.1	20.1	16.1
62.5°	59.2	54.8	50.7	46.4	42.0	37.4	33.2	28.9	24.4	20.1	16.0
60°	60.7	56.6	52.2	47.6	43.0	38.3	33.8	29.3	24.7	20.3	16.3
57.5°	62.1	57.8	53.5	48.8	44.1	39.3	34.6	30.1	25.4	20.8	16.7
55°	63.4	59.2	54.8	50.1	45.3	40.4	35.6	30.9	26.2	21.4	17.2
52.5°	64.9	60.6	56.2	51.5	46.5	41.5	36.7	31.9	27.1	22.2	17.7
50°	66.5	62.1	57.3	52.3	47.7	43.0	38.0	33.1	28.1	23.0	18.3
47.5°	68.2	63.6	59.0	54.6	49.9	44.7	39.5	34.3	29.2	24.0	19.0
45°	70.2	65.8	61.4	56.7	51.8	46.5	41.1	35.7	30.5	25.1	19.8
42.5°	72.4	68.0	63.4	58.8	53.8	48.4	42.8	37.3	31.9	26.3	20.7
40°	74.8	70.4	66.2	61.3	55.6	49.9	44.8	39.2	33.5	27.7	21.7
37.5°	77.7	73.6	69.0	63.6	58.4	53.0	47.6	41.6	35.3	29.7	23.7
35°	80.8	77.0	72.2	67.8	62.7	56.9	51.1	45.6	39.3	33.5	27.0
32.5°	84.9	81.3	77.2	73.0	68.0	62.5	56.7	51.9	45.8	39.7	32.8
30°	89.9	86.4	82.9	79.1	74.5	69.8	65.5	60.6	55.5	48.8	38.9
27.5°	95.1	92.2	89.1	85.3	82.3	78.6	74.5	69.3	60.4	50.8	39.7
25°	100.9	98.6	95.0	92.5	90.4	87.4	81.1	72.8	60.3	47.9	36.6
22.5°	107.5	105.1	102.7	100.7	99.6	94.3	84.3	70.9	57.7	45.7	35.9
20°	114.4	112.2	114.6	115.4	109.3	103.1	87.5	72.8	60.6	52.6	45.1
17.5°	134.3	124.8	134.6	143.1	135.4	115.9	106.2	88.6	79.0	69.5	57.7
15°	170.6	182.0	184.5	181.9	180.3	165.2	140.4	136.2	124.5	116.1	104.3
12.5°	225.4	271.2	341.8	446.1	270.3	247.5	363.6	364.0	305.1	239.6	223.0
10°	547.8	392.1	672.3	1480.3	2806.1	3256.6	1263.9	3743.7	5560.2	8423.0	2709.6
7.5°	1582.3	2222.3	2882.3	4010.3	7464.8	12978.2	17522.0	23789.2	36145.4	46013.2	53627.8
5°	2814.8	4547.3	7005.3	10386.9	16921.5	26758.5	39159.6	58195.2	76859.4	100689.6	123578.7
2.5°	4910.4	7884.2	11840.5	17287.5	27275.1	41874.6	61597.8	91833.2	120472.6	147327.8	169215.4
0°	8129.9	13383.9	18540.0	28491.9	43124.4	65183.3	92760.6	134118.6	173735.3	214375.0	249974.7
-2.5°	11063.1	16229.0	23898.9	35255.5	53009.6	75065.7	106242.5	149095.3	200697.5	242718.3	284508.7
-5°	13425.8	19332.6	27882.6	39302.7	56553.7	78423.8	108772.0	152188.0	203943.5	246119.5	282620.4
-7.5°	15122.9	21996.7	30903.3	42230.1	58691.2	81585.4	112176.6	152923.5	201485.5	250560.1	288067.1
-10°	16127.3	23769.9	32862.7	44462.4	60845.4	83889.9	113168.1	151669.6	201577.1	251237.3	296093.0
-12.5°	16701.5	24606.3	33596.9	44668.9	60548.0	84532.5	115021.7	151624.4	194870.0	243582.4	289439.8
-15°	16932.9	24741.7	33688.7	45610.5	61771.5	82703.9	111457.6	145909.9	185287.1	229658.7	272554.7
-17.5°	16704.7	24435.5	34393.0	46416.5	61541.3	79951.8	106366.0	137444.1	175771.7	217343.6	252939.0
-20°	15826.8	24301.0	34304.8	46077.6	60240.5	77594.5	99525.7	130817.5	167678.7	204626.7	238289.6



REPORT NUMBER: P1212186 (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°	15002.2	23033.8	32893.8	44094.0	57058.2	72918.6	94010.8	123995.1	157608.5	188134.6	219670.1
-25°	13537.6	20607.6	30073.1	40712.4	52610.7	67181.2	88894.6	114492.9	141705.3	167478.9	194341.5
-27.5°	12396.1	18249.1	26172.2	36115.8	47102.2	61932.3	80885.6	102734.9	125405.9	147992.2	170697.6
-30°	11221.3	15917.5	22614.7	30745.1	41858.2	55175.7	70693.6	89562.6	109496.7	129308.5	149268.4
-32.5°	10645.7	14130.8	19165.9	26282.7	35842.5	47470.7	60311.8	76614.4	94088.6	111637.8	128764.7
-35°	9848.0	12799.3	16452.9	22506.1	29961.4	39568.7	51052.2	64129.7	77724.5	92734.9	107793.0
-37.5°	9006.1	11434.3	14847.8	19327.7	25270.4	32157.4	41613.2	52420.7	63476.6	74980.0	86840.6
-40°	8229.0	10147.2	13185.7	16768.9	21322.0	26813.0	33907.2	41495.5	49841.9	59142.4	68079.7
-42.5°	7480.7	9269.4	11571.9	14522.8	17986.1	22676.7	27999.2	33519.4	39768.0	46564.4	53108.9
-45°	6905.3	8408.1	10200.7	12510.4	15318.5	19052.4	23209.8	27595.5	32306.5	37169.4	41595.5
-47.5°	6448.1	7627.4	9098.6	10783.1	13083.9	15929.4	18994.1	22357.4	26169.4	29945.1	33064.4
-50°	5964.2	6956.7	8123.3	9472.2	11317.5	13394.8	15621.6	18216.8	21097.5	24023.3	26271.8
-52.5°	5460.8	6314.1	7249.0	8392.5	9816.1	11369.6	13036.4	14996.1	17073.6	19197.2	20740.8
-55°	4892.6	5635.5	6428.1	7441.6	8541.2	9698.4	10963.8	12460.7	13987.0	15521.3	16555.6
-57.5°	4277.4	4912.8	5617.9	6451.1	7363.4	8343.1	9383.0	10476.4	11604.8	12713.4	13441.4
-60°	3657.4	4141.0	4743.5	5423.3	6137.8	6881.0	7778.6	8696.0	9604.1	10430.3	11003.9
-62.5°	3067.2	3490.8	3954.9	4457.6	4987.2	5568.3	6279.5	7009.8	7748.7	8400.1	8871.8
-65°	2442.0	2798.6	3200.2	3605.3	4011.4	4464.4	4990.7	5525.5	6062.6	6507.1	6825.2
-67.5°	1961.2	2214.6	2501.0	2801.3	3137.9	3501.9	3899.6	4298.2	4694.1	5014.4	5268.0
-70°	1540.2	1740.8	1948.4	2167.6	2412.0	2689.9	2997.2	3299.1	3594.2	3813.2	3983.0
-72.5°	1180.0	1327.8	1491.9	1671.2	1849.0	2048.0	2269.8	2497.9	2729.4	2906.1	3056.3
-75°	895.2	995.9	1116.6	1242.2	1371.7	1515.2	1665.0	1815.1	1964.1	2076.5	2175.7
-77.5°	693.4	770.1	849.4	929.3	1009.6	1099.2	1192.3	1286.0	1379.5	1446.9	1507.4
-80°	566.9	616.4	668.2	721.1	774.8	833.2	892.7	952.4	1012.0	1056.1	1097.5
-82.5°	477.9	510.9	545.3	580.3	615.9	654.9	694.3	733.9	773.3	802.5	830.4
-85°	413.8	436.1	459.0	482.3	506.0	532.7	559.7	586.8	613.9	635.4	656.4
-87.5°	366.5	381.2	396.0	411.0	426.0	443.9	461.9	479.9	497.8	514.0	530.1
-90°	54.5	50.5	46.5	42.4	38.4	34.4	30.3	26.3	22.2	18.7	15.1



REPORT NUMBER: P1212186 (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°	456.8	469.4	472.9	476.4	472.9	469.4	456.8	444.2	431.5	418.9	406.5
87.5°	10.9	7.1	4.6	2.0	4.6	7.1	10.9	14.7	18.4	22.2	26.3
85°	10.9	7.1	4.6	2.0	4.6	7.1	10.9	14.7	18.5	22.3	26.4
82.5°	11.0	7.2	4.1	1.0	4.1	7.2	11.0	14.8	18.6	22.4	26.2
80°	11.0	7.2	4.6	2.0	4.6	7.2	11.0	14.9	18.7	22.6	26.6
77.5°	11.1	7.3	4.1	1.0	4.1	7.3	11.1	15.0	18.9	22.8	26.9
75°	11.3	7.4	4.2	1.0	4.2	7.4	11.3	15.2	19.1	23.0	26.9
72.5°	11.1	7.4	4.7	2.0	4.7	7.4	11.1	14.9	18.6	22.5	26.7
70°	11.3	7.5	4.2	1.0	4.2	7.5	11.3	15.0	18.8	22.7	26.9
67.5°	11.5	7.7	4.3	1.0	4.3	7.7	11.5	15.3	19.1	23.1	27.4
65°	12.0	7.9	4.4	1.0	4.4	7.9	12.0	16.1	20.1	24.1	28.2
62.5°	12.0	8.0	4.0	0.0	4.0	8.0	12.0	16.0	20.1	24.4	28.9
60°	12.2	8.2	4.1	0.0	4.1	8.2	12.2	16.3	20.3	24.7	29.3
57.5°	12.6	8.4	4.2	0.0	4.2	8.4	12.6	16.7	20.8	25.4	30.1
55°	12.9	8.6	4.3	0.0	4.3	8.6	12.9	17.2	21.4	26.2	30.9
52.5°	13.3	8.9	4.5	0.0	4.5	8.9	13.3	17.7	22.2	27.1	31.9
50°	13.8	9.2	4.6	0.0	4.6	9.2	13.8	18.3	23.0	28.1	33.1
47.5°	14.3	9.6	4.8	0.0	4.8	9.6	14.3	19.0	24.0	29.2	34.3
45°	14.9	10.0	5.0	0.0	5.0	10.0	14.9	19.8	25.1	30.5	35.7
42.5°	15.6	10.5	5.5	1.0	5.5	10.5	15.6	20.7	26.3	31.9	37.3
40°	16.4	11.0	5.5	0.0	5.5	11.0	16.4	21.7	27.7	33.5	39.2
37.5°	17.8	11.9	5.8	0.0	5.8	11.9	17.8	23.7	29.7	35.3	41.6
35°	20.2	13.3	6.3	1.0	6.3	13.3	20.2	27.0	33.5	39.3	45.6
32.5°	24.8	16.9	8.4	0.0	8.4	16.9	24.8	32.8	39.7	45.8	51.9
30°	29.8	19.8	9.1	0.0	9.1	19.8	29.8	38.9	48.8	55.5	60.6
27.5°	29.1	18.2	7.9	0.0	7.9	18.2	29.1	39.7	50.8	60.4	69.3
25°	26.8	18.1	10.2	5.0	10.2	18.1	26.8	36.6	47.9	60.3	72.8
22.5°	29.2	21.3	14.6	12.1	14.6	21.3	29.2	35.9	45.7	57.7	70.9
20°	36.6	28.2	22.1	18.2	22.1	28.2	36.6	45.1	52.6	60.6	72.8
17.5°	53.3	44.1	35.0	31.3	35.0	44.1	53.3	57.7	69.5	79.0	88.6
15°	95.8	85.3	74.7	69.6	74.7	85.3	95.8	104.3	116.1	124.5	136.2
12.5°	173.2	153.1	135.4	123.7	135.4	153.1	173.2	223.0	239.6	305.1	364.0
10°	6557.5	5828.6	5190.4	1955.2	5190.4	5828.6	6557.5	2709.6	8423.0	5560.2	3743.7
7.5°	59380.9	66930.2	73806.0	73009.8	73806.0	66930.2	59380.9	53627.8	46013.2	36145.4	23789.2
5°	142973.2	165434.9	167951.3	175224.2	167951.3	165434.9	142973.2	123578.7	100689.6	76859.4	58195.2
2.5°	193499.3	213168.9	220267.9	222691.6	220267.9	213168.9	193499.3	169215.4	147327.8	120472.6	91833.2
0°	281936.5	309394.2	320653.8	324005.6	320653.8	309394.2	281936.5	249974.7	214375.0	173735.3	134118.6
-2.5°	319537.9	348733.8	362174.4	366560.7	362174.4	348733.8	319537.9	284508.7	242718.3	200697.5	149095.3
-5°	314716.5	338662.6	350052.5	354088.3	350052.5	338662.6	314716.5	282620.4	246119.5	203943.5	152188.0
-7.5°	320917.5	342076.2	351637.5	354780.8	351637.5	342076.2	320917.5	288067.1	250560.1	201485.5	152923.5
-10°	328673.8	351268.2	361249.2	361363.2	361249.2	351268.2	328673.8	296093.0	251237.3	201577.1	151669.6
-12.5°	328677.8	354030.0	366725.0	368466.0	366725.0	354030.0	328677.8	289439.8	243582.4	194870.0	151624.4
-15°	311209.0	339414.3	356062.7	361017.0	356062.7	339414.3	311209.0	272554.7	229658.7	185287.1	145909.9
-17.5°	287823.6	314326.8	327560.3	330874.7	327560.3	314326.8	287823.6	252939.0	217343.6	175771.7	137444.1
-20°	267049.0	291228.9	302757.8	306622.4	302757.8	291228.9	267049.0	238289.6	204626.7	167678.7	130817.5



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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	246562.4	268203.9	280508.7	283062.5	280508.7	268203.9	246562.4	219670.1	188134.6	157608.5	123995.1
-25°	220202.8	238632.8	250031.5	252573.0	250031.5	238632.8	220202.8	194341.5	167478.9	141705.3	114492.9
-27.5°	192353.5	207019.2	218279.2	219613.4	218279.2	207019.2	192353.5	170697.6	147992.2	125405.9	102734.9
-30°	167849.3	179711.7	190033.6	188982.6	190033.6	179711.7	167849.3	149268.4	129308.5	109496.7	89562.6
-32.5°	143879.6	153871.4	161909.0	161469.8	161909.0	153871.4	143879.6	128764.7	111637.8	94088.6	76614.4
-35°	119868.6	128280.5	134491.3	134956.4	134491.3	128280.5	119868.6	107793.0	92734.9	77724.5	64129.7
-37.5°	96263.6	103855.3	109298.4	109724.9	109298.4	103855.3	96263.6	86840.6	74980.0	63476.6	52420.7
-40°	74386.8	79868.5	83510.1	83486.1	83510.1	79868.5	74386.8	68079.7	59142.4	49841.9	41495.5
-42.5°	57413.7	61193.2	63894.2	65057.1	63894.2	61193.2	57413.7	53108.9	46564.4	39768.0	33519.4
-45°	44756.8	47611.4	49406.0	49752.3	49406.0	47611.4	44756.8	41595.5	37169.4	32306.5	27595.5
-47.5°	35379.8	37479.4	39181.0	40435.3	39181.0	37479.4	35379.8	33064.4	29945.1	26169.4	22357.4
-50°	28005.6	29557.4	30571.3	31061.9	30571.3	29557.4	28005.6	26271.8	24023.3	21097.5	18216.8
-52.5°	22041.7	23219.5	23963.0	24340.1	23963.0	23219.5	22041.7	20740.8	19197.2	17073.6	14996.1
-55°	17509.4	18389.6	18900.0	19141.6	18900.0	18389.6	17509.4	16555.6	15521.3	13987.0	12460.7
-57.5°	14119.1	14738.7	15080.4	15248.3	15080.4	14738.7	14119.1	13441.4	12713.4	11604.8	10476.4
-60°	11537.6	12025.8	12351.7	12582.4	12351.7	12025.8	11537.6	11003.9	10430.3	9604.1	8696.0
-62.5°	9314.4	9720.3	9907.3	9988.2	9907.3	9720.3	9314.4	8871.8	8400.1	7748.7	7009.8
-65°	7114.0	7372.1	7553.0	7690.8	7553.0	7372.1	7114.0	6825.2	6507.1	6062.6	5525.5
-67.5°	5505.0	5722.5	5839.2	5915.2	5839.2	5722.5	5505.0	5268.0	5014.4	4694.1	4298.2
-70°	4138.6	4279.5	4382.4	4467.7	4382.4	4279.5	4138.6	3983.0	3813.2	3594.2	3299.1
-72.5°	3197.8	3329.1	3386.8	3425.0	3386.8	3329.1	3197.8	3056.3	2906.1	2729.4	2497.9
-75°	2268.9	2355.3	2383.1	2398.4	2383.1	2355.3	2268.9	2175.7	2076.5	1964.1	1815.1
-77.5°	1564.7	1618.5	1650.1	1676.6	1650.1	1618.5	1564.7	1507.4	1446.9	1379.5	1286.0
-80°	1137.4	1175.5	1190.8	1203.2	1190.8	1175.5	1137.4	1097.5	1056.1	1012.0	952.4
-82.5°	857.5	883.7	899.7	914.5	899.7	883.7	857.5	830.4	802.5	773.3	733.9
-85°	677.1	697.3	701.3	704.6	701.3	697.3	677.1	656.4	635.4	613.9	586.8
-87.5°	546.0	561.8	566.7	571.3	566.7	561.8	546.0	530.1	514.0	497.8	479.9
-90°	11.6	8.1	5.0	2.0	5.0	8.1	11.6	15.1	18.7	22.2	26.3



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	394.2	381.8	369.4	359.8	350.3	340.7	331.1	324.5	318.0	311.4	304.8
87.5°	30.3	34.4	38.4	42.5	46.5	50.5	54.5	58.6	62.6	66.7	70.7
85°	30.4	34.5	38.5	42.6	46.6	50.6	54.7	58.7	62.8	66.8	70.9
82.5°	30.1	34.0	37.9	42.2	46.5	50.7	54.9	58.9	63.0	67.0	71.1
80°	30.6	34.6	38.5	42.6	46.8	51.0	55.2	59.2	63.3	67.4	71.4
77.5°	31.0	35.1	39.3	43.3	47.4	51.5	55.6	59.6	63.7	67.8	71.7
75°	31.0	35.0	39.2	43.5	47.8	51.9	56.0	60.1	64.2	68.3	72.2
72.5°	30.9	34.9	39.1	43.5	47.9	52.4	56.6	60.7	64.8	68.8	72.7
70°	31.1	35.3	39.7	44.1	48.6	53.0	57.2	61.4	65.5	69.5	73.4
67.5°	31.7	35.9	40.2	44.5	48.8	53.3	57.8	62.1	66.2	70.3	74.1
65°	32.4	36.6	40.9	45.2	49.4	53.7	58.1	62.6	67.0	71.2	74.9
62.5°	33.2	37.4	42.0	46.4	50.7	54.8	59.2	63.6	68.0	72.1	75.9
60°	33.8	38.3	43.0	47.6	52.2	56.6	60.7	64.9	69.1	73.1	76.9
57.5°	34.6	39.3	44.1	48.8	53.5	57.8	62.1	66.3	70.5	74.3	78.0
55°	35.6	40.4	45.3	50.1	54.8	59.2	63.4	67.7	71.7	75.5	79.3
52.5°	36.7	41.5	46.5	51.5	56.2	60.6	64.9	69.2	73.1	76.9	80.6
50°	38.0	43.0	47.7	52.3	57.3	62.1	66.5	70.8	74.6	78.4	82.1
47.5°	39.5	44.7	49.9	54.6	59.0	63.6	68.2	72.4	76.3	80.0	83.7
45°	41.1	46.5	51.8	56.7	61.4	65.8	70.2	74.4	78.1	81.8	85.4
42.5°	42.8	48.4	53.8	58.8	63.4	68.0	72.4	76.6	80.5	83.8	87.1
40°	44.8	49.9	55.6	61.3	66.2	70.4	74.8	78.8	82.8	86.5	89.1
37.5°	47.6	53.0	58.4	63.6	69.0	73.6	77.7	81.7	85.3	88.7	91.4
35°	51.1	56.9	62.7	67.8	72.2	77.0	80.8	84.8	88.3	91.2	93.7
32.5°	56.7	62.5	68.0	73.0	77.2	81.3	84.9	87.8	91.4	94.2	96.6
30°	65.5	69.8	74.5	79.1	82.9	86.4	89.9	92.2	94.7	97.4	99.7
27.5°	74.5	78.6	82.3	85.3	89.1	92.2	95.1	97.3	98.8	100.9	102.9
25°	81.1	87.4	90.4	92.5	95.0	98.6	100.9	102.7	103.8	105.2	107.1
22.5°	84.3	94.3	99.6	100.7	102.7	105.1	107.5	108.6	110.0	112.4	112.7
20°	87.5	103.1	109.3	115.4	114.6	112.2	114.4	118.7	122.2	121.9	119.5
17.5°	106.2	115.9	135.4	143.1	134.6	124.8	134.3	137.9	136.9	133.5	127.2
15°	140.4	165.2	180.3	181.9	184.5	182.0	170.6	161.3	154.2	146.8	149.2
12.5°	363.6	247.5	270.3	446.1	341.8	271.2	225.4	194.3	207.3	228.5	223.4
10°	1263.9	3256.6	2806.1	1480.3	672.3	392.1	547.8	500.1	421.2	358.1	309.3
7.5°	17522.0	12978.2	7464.8	4010.3	2882.3	2222.3	1582.3	981.6	673.7	502.9	403.4
5°	39159.6	26758.5	16921.5	10386.9	7005.3	4547.3	2814.8	1526.8	950.1	656.7	504.4
2.5°	61597.8	41874.6	27275.1	17287.5	11840.5	7884.2	4910.4	2932.6	1859.2	1215.3	945.3
0°	92760.6	65183.3	43124.4	28491.9	18540.0	13383.9	8129.9	5065.3	3069.6	1853.3	1386.9
-2.5°	106242.5	75065.7	53009.6	35255.5	23898.9	16229.0	11063.1	6801.7	4011.2	2440.1	1797.5
-5°	108772.0	78423.8	56553.7	39302.7	27882.6	19332.6	13425.8	8288.6	4903.3	2995.9	2186.4
-7.5°	112176.6	81585.4	58691.2	42230.1	30903.3	21996.7	15122.9	9452.4	5750.5	3554.5	2587.3
-10°	113168.1	83889.9	60845.4	44462.4	32862.7	23769.9	16127.3	10226.7	6323.5	4002.8	2949.1
-12.5°	115021.7	84532.5	60548.0	44668.9	33596.9	24606.3	16701.5	10654.2	6562.4	4315.0	3264.0
-15°	111457.6	82703.9	61771.5	45610.5	33688.7	24741.7	16932.9	10766.0	6533.2	4494.7	3525.8
-17.5°	106366.0	79951.8	61541.3	46416.5	34393.0	24435.5	16704.7	10600.0	6556.2	4661.7	3739.5
-20°	99525.7	77594.5	60240.5	46077.6	34304.8	24301.0	15826.8	9766.3	6502.9	4855.4	3920.1



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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°	94010.8	72918.6	57058.2	44094.0	32893.8	23033.8	15002.2	9146.7	6172.2	4923.2	4027.2
-25°	88894.6	67181.2	52610.7	40712.4	30073.1	20607.6	13537.6	9106.6	6459.5	4933.9	4063.7
-27.5°	80885.6	61932.3	47102.2	36115.8	26172.2	18249.1	12396.1	8680.2	6566.3	5093.1	4066.1
-30°	70693.6	55175.7	41858.2	30745.1	22614.7	15917.5	11221.3	8482.9	6518.2	5098.8	4103.7
-32.5°	60311.8	47470.7	35842.5	26282.7	19165.9	14130.8	10645.7	8027.5	6253.7	5045.5	4130.4
-35°	51052.2	39568.7	29961.4	22506.1	16452.9	12799.3	9848.0	7599.8	6001.9	4910.0	4108.0
-37.5°	41613.2	32157.4	25270.4	19327.7	14847.8	11434.3	9006.1	7160.9	5729.1	4804.3	4056.3
-40°	33907.2	26813.0	21322.0	16768.9	13185.7	10147.2	8229.0	6667.7	5565.5	4654.7	3961.4
-42.5°	27999.2	22676.7	17986.1	14522.8	11571.9	9269.4	7480.7	6301.1	5317.1	4507.1	3850.4
-45°	23209.8	19052.4	15318.5	12510.4	10200.7	8408.1	6905.3	5893.9	5044.6	4333.1	3710.7
-47.5°	18994.1	15929.4	13083.9	10783.1	9098.6	7627.4	6448.1	5484.0	4767.3	4113.0	3489.9
-50°	15621.6	13394.8	11317.5	9472.2	8123.3	6956.7	5964.2	5103.3	4435.9	3807.1	3225.2
-52.5°	13036.4	11369.6	9816.1	8392.5	7249.0	6314.1	5460.8	4690.2	4035.8	3466.6	2928.1
-55°	10963.8	9698.4	8541.2	7441.6	6428.1	5635.5	4892.6	4213.9	3625.2	3102.0	2615.3
-57.5°	9383.0	8343.1	7363.4	6451.1	5617.9	4912.8	4277.4	3701.0	3197.8	2728.7	2283.4
-60°	7778.6	6881.0	6137.8	5423.3	4743.5	4141.0	3657.4	3193.3	2751.4	2337.8	1946.0
-62.5°	6279.5	5568.3	4987.2	4457.6	3954.9	3490.8	3067.2	2664.0	2286.7	1934.6	1625.5
-65°	4990.7	4464.4	4011.4	3605.3	3200.2	2798.6	2442.0	2138.4	1862.9	1590.6	1322.4
-67.5°	3899.6	3501.9	3137.9	2801.3	2501.0	2214.6	1961.2	1713.9	1487.2	1272.7	1068.9
-70°	2997.2	2689.9	2412.0	2167.6	1948.4	1740.8	1540.2	1345.5	1154.5	992.4	857.2
-72.5°	2269.8	2048.0	1849.0	1671.2	1491.9	1327.8	1180.0	1043.0	912.3	788.7	684.5
-75°	1665.0	1515.2	1371.7	1242.2	1116.6	995.9	895.2	805.4	718.8	636.0	561.0
-77.5°	1192.3	1099.2	1009.6	929.3	849.4	770.1	693.4	627.7	573.3	521.3	474.7
-80°	892.7	833.2	774.8	721.1	668.2	616.4	566.9	523.2	481.2	443.9	413.0
-82.5°	694.3	654.9	615.9	580.3	545.3	510.9	477.9	449.8	422.8	397.0	373.3
-85°	559.7	532.7	506.0	482.3	459.0	436.1	413.8	396.0	378.7	362.1	346.3
-87.5°	461.9	443.9	426.0	411.0	396.0	381.2	366.5	355.7	344.9	334.4	324.0
-90°	30.3	34.4	38.4	42.4	46.5	50.5	54.5	58.6	62.6	66.7	70.7



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	300.5	296.3	292.0	287.7	279.1	270.6	262.0	253.4	238.0	222.6	207.2
87.5°	74.5	78.3	82.1	85.8	89.1	92.4	95.7	98.9	101.4	104.0	106.5
85°	74.6	78.4	82.2	85.9	89.2	92.5	95.7	99.0	101.5	104.0	106.5
82.5°	74.8	78.6	82.4	86.1	89.4	92.6	95.9	99.1	101.6	104.1	106.6
80°	75.1	78.9	82.7	86.3	89.6	92.8	96.1	99.3	101.9	104.4	106.9
77.5°	75.5	79.3	83.0	86.6	89.9	93.1	96.4	99.5	102.2	104.8	107.3
75°	76.0	79.7	83.5	87.0	90.2	93.5	96.7	99.7	102.4	105.1	107.7
72.5°	76.5	80.3	84.0	87.5	90.7	93.9	97.1	100.0	102.7	105.4	108.1
70°	77.1	80.9	84.6	88.0	91.2	94.3	97.5	100.4	103.0	105.7	108.3
67.5°	77.9	81.6	85.3	88.6	91.7	94.9	98.0	100.8	103.4	106.0	108.6
65°	78.7	82.4	86.0	89.2	92.3	95.5	98.6	101.2	103.8	106.4	108.9
62.5°	79.6	83.3	86.8	89.9	93.0	96.1	99.1	101.7	104.3	106.8	109.3
60°	80.6	84.3	87.6	90.7	93.8	96.8	99.7	102.2	104.7	107.2	109.7
57.5°	81.7	85.4	88.5	91.6	94.6	97.6	100.3	102.8	105.3	107.7	110.1
55°	82.9	86.5	89.5	92.6	95.5	98.5	101.0	103.4	105.8	108.2	110.4
52.5°	84.3	87.6	90.6	93.6	96.5	99.3	101.7	104.1	106.5	108.8	110.7
50°	85.7	88.9	91.9	94.7	97.6	100.3	102.5	104.8	107.1	109.4	111.1
47.5°	87.1	90.4	93.4	96.0	98.7	101.4	103.6	105.6	107.8	110.0	111.6
45°	88.7	91.9	95.0	97.6	99.8	102.5	104.8	106.4	108.5	110.6	112.2
42.5°	90.4	93.5	96.5	99.5	101.3	103.5	106.2	107.6	109.3	111.3	112.8
40°	92.1	95.2	98.1	100.8	102.9	104.5	107.2	109.1	110.1	112.1	113.5
37.5°	94.0	97.0	99.8	102.2	104.5	106.1	108.2	110.6	111.4	113.1	114.2
35°	96.2	98.9	101.5	103.7	105.9	107.7	109.1	111.9	113.2	114.2	115.0
32.5°	98.3	101.0	103.4	105.5	107.3	109.3	110.4	113.4	115.1	115.5	115.8
30°	101.2	103.3	105.5	107.4	108.8	110.7	112.4	115.2	117.0	116.9	116.8
27.5°	104.9	106.0	107.8	109.4	110.7	112.2	115.5	117.2	119.0	118.5	118.0
25°	108.8	109.4	110.4	111.6	112.6	116.4	118.8	119.6	120.9	120.2	119.2
22.5°	112.9	113.1	113.4	113.9	118.8	121.3	122.5	122.5	122.9	122.0	120.5
20°	117.5	117.0	118.2	123.1	125.9	126.9	126.7	125.6	125.0	123.8	121.9
17.5°	122.7	128.8	132.6	133.8	134.0	133.0	131.2	128.9	127.2	125.6	123.3
15°	156.8	154.3	149.4	145.7	142.6	139.5	136.0	132.3	129.6	127.4	126.3
12.5°	205.3	184.7	168.1	158.5	151.9	146.3	141.0	135.8	132.0	132.0	131.5
10°	260.5	218.7	188.3	171.9	161.5	153.3	146.2	142.0	140.2	138.9	136.7
7.5°	320.3	255.3	209.4	185.7	178.5	170.4	162.1	153.9	149.2	145.8	141.9
5°	430.4	365.7	313.7	272.9	235.7	198.8	180.1	165.9	158.4	152.8	147.2
2.5°	748.1	591.7	473.2	374.2	295.2	227.8	198.2	177.9	167.5	159.7	152.4
0°	1065.9	817.6	632.9	475.4	354.3	256.4	216.0	189.8	176.6	166.6	157.5
-2.5°	1405.5	1100.2	867.5	670.2	506.3	377.4	285.8	229.0	195.3	177.0	164.3
-5°	1729.6	1371.9	1093.8	858.0	653.4	493.6	353.0	266.7	213.3	187.0	170.9
-7.5°	2058.0	1643.8	1312.0	1035.7	793.7	601.5	415.6	301.7	230.4	196.7	177.4
-10°	2365.8	1903.2	1519.7	1201.6	931.8	704.7	476.2	332.9	246.0	205.7	183.6
-12.5°	2642.2	2134.5	1706.8	1353.6	1060.7	804.1	557.7	381.7	263.5	214.1	189.6
-15°	2882.9	2333.1	1870.0	1489.8	1177.7	892.6	629.9	435.6	304.0	229.7	195.3
-17.5°	3080.1	2494.9	2006.1	1608.3	1281.2	969.1	691.3	482.9	339.6	253.5	206.4
-20°	3217.4	2617.5	2115.8	1707.7	1370.2	1032.5	740.6	522.6	369.6	274.3	220.9



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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°	3308.0	2711.0	2215.0	1796.4	1439.8	1082.0	776.8	554.1	393.1	291.8	233.8
-25°	3349.3	2775.7	2293.4	1875.3	1487.5	1119.9	805.7	576.8	409.7	305.6	245.0
-27.5°	3379.5	2819.8	2350.7	1935.0	1523.8	1139.6	828.8	596.1	421.7	315.4	254.5
-30°	3389.0	2860.7	2395.6	1970.5	1540.1	1151.6	839.6	605.3	433.1	324.7	261.9
-32.5°	3421.7	2877.3	2420.0	1970.9	1539.8	1150.4	844.8	603.8	438.6	333.2	268.5
-35°	3448.1	2890.0	2418.8	1947.3	1522.5	1150.2	843.0	591.3	437.9	338.7	273.8
-37.5°	3422.5	2886.8	2368.2	1904.3	1487.0	1132.6	830.6	587.8	430.9	341.1	277.4
-40°	3376.2	2833.8	2304.2	1845.7	1444.9	1097.5	803.7	581.1	427.5	340.4	279.3
-42.5°	3287.2	2725.2	2215.8	1766.9	1386.6	1051.4	765.0	564.0	426.9	339.5	279.3
-45°	3123.6	2583.2	2096.3	1675.5	1309.2	988.1	733.2	539.6	421.2	337.4	278.8
-47.5°	2921.9	2407.8	1953.3	1557.3	1216.4	915.4	688.7	525.5	410.2	333.0	278.5
-50°	2680.8	2205.5	1786.9	1422.3	1101.3	848.1	640.1	504.4	401.3	326.6	276.9
-52.5°	2426.0	1981.9	1603.8	1269.0	995.7	766.6	605.5	477.9	388.3	320.9	274.1
-55°	2154.0	1746.0	1405.6	1121.3	880.8	704.4	563.0	455.6	371.2	314.8	270.3
-57.5°	1877.2	1501.1	1216.9	970.7	783.2	639.9	523.2	428.6	358.1	306.7	266.5
-60°	1589.9	1285.7	1025.4	843.9	694.3	576.7	483.4	401.6	344.6	297.6	261.5
-62.5°	1333.5	1071.2	876.7	726.6	611.3	518.9	442.1	381.3	328.9	290.4	255.7
-65°	1101.1	901.6	730.5	627.6	535.9	462.7	412.2	358.4	317.5	282.3	250.2
-67.5°	883.9	748.4	623.7	532.5	472.6	423.1	378.8	342.0	306.8	273.5	246.3
-70°	732.8	617.3	528.3	470.0	423.4	384.0	358.1	328.1	295.2	267.8	241.9
-72.5°	602.2	527.5	460.9	412.0	386.5	362.2	339.3	314.3	287.3	261.5	237.1
-75°	497.0	451.7	413.1	382.8	360.7	340.1	323.4	304.0	278.8	254.8	232.9
-77.5°	438.6	405.9	376.8	355.9	340.5	325.1	310.0	293.1	270.6	249.4	228.7
-80°	391.9	372.2	353.9	337.4	323.6	309.9	297.7	284.4	264.0	243.9	224.3
-82.5°	358.1	345.2	333.2	321.7	310.5	299.2	288.0	276.1	257.0	238.1	219.9
-85°	336.5	327.0	317.8	308.9	298.6	288.4	278.4	268.1	250.6	233.1	215.9
-87.5°	317.4	310.8	304.4	298.0	288.8	279.5	270.3	260.9	244.4	228.0	211.6
-90°	74.5	78.3	82.0	85.8	89.1	92.4	95.6	98.9	101.4	104.0	106.5



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	191.8	179.4	167.0	154.7	142.3	131.7	121.1
87.5°	109.0	110.8	112.6	114.3	116.1	118.7	121.1
85°	109.0	110.8	112.6	114.3	116.1	118.7	121.1
82.5°	109.1	110.8	112.6	114.4	116.1	118.8	121.1
80°	109.2	110.9	112.7	114.4	116.2	118.9	121.1
77.5°	109.5	111.0	112.7	114.4	116.2	119.0	121.1
75°	109.9	111.3	112.8	114.5	116.3	119.1	121.1
72.5°	110.2	111.5	113.0	114.6	116.4	119.2	121.1
70°	110.5	111.8	113.1	114.6	116.5	119.3	121.1
67.5°	110.7	112.0	113.3	114.8	116.7	119.4	121.1
65°	110.8	112.2	113.5	114.9	116.8	119.6	121.1
62.5°	111.0	112.4	113.7	115.0	117.0	119.7	121.1
60°	111.2	112.5	113.9	115.1	117.2	119.8	121.1
57.5°	111.4	112.7	114.0	115.2	117.4	120.0	121.1
55°	111.7	112.9	114.1	115.4	117.7	120.1	121.1
52.5°	112.0	113.1	114.3	115.5	117.9	120.3	121.1
50°	112.4	113.4	114.5	115.6	118.3	120.4	121.1
47.5°	112.7	113.7	114.6	115.8	118.6	120.6	121.1
45°	113.2	114.0	114.8	115.9	118.9	120.7	121.1
42.5°	113.7	114.4	115.0	116.0	119.3	120.9	121.1
40°	114.3	114.8	115.3	116.5	119.7	121.1	121.1
37.5°	114.9	115.2	115.6	117.2	120.2	121.3	121.1
35°	115.6	115.6	115.9	117.9	120.6	121.5	121.1
32.5°	116.3	116.2	116.2	118.7	121.1	121.7	121.1
30°	117.0	116.7	116.5	119.5	121.6	121.9	121.1
27.5°	117.7	117.3	117.9	120.4	122.1	122.1	121.1
25°	118.5	117.9	119.5	121.3	122.6	122.3	121.1
22.5°	119.3	119.0	121.2	122.2	123.2	122.5	121.1
20°	120.1	121.7	123.0	123.1	123.7	122.7	121.1
17.5°	122.7	124.4	124.8	124.1	124.3	122.9	121.1
15°	126.6	127.2	126.7	125.1	124.9	123.1	121.1
12.5°	130.5	130.0	128.6	126.1	125.4	123.3	121.1
10°	134.4	132.9	130.6	127.1	126.0	123.5	121.1
7.5°	138.4	135.7	132.5	128.2	126.6	123.6	121.1
5°	142.4	138.6	134.5	129.2	127.1	123.8	121.1
2.5°	146.4	141.5	136.4	130.2	127.7	124.0	121.1
0°	150.4	144.3	138.3	131.2	128.2	124.2	121.1
-2.5°	155.6	148.3	141.2	133.2	129.3	124.7	121.1
-5°	160.8	152.2	144.0	135.3	130.4	125.2	121.1
-7.5°	165.8	156.1	146.8	137.3	131.4	125.7	121.1
-10°	170.7	159.8	149.5	139.2	132.5	126.2	121.1
-12.5°	175.4	163.4	152.1	141.1	133.5	126.6	121.1
-15°	179.9	166.8	154.6	142.9	134.4	127.1	121.1
-17.5°	184.2	170.1	157.0	144.6	135.4	127.5	121.1
-20°	190.3	173.2	159.2	146.2	136.3	128.0	121.1



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	199.0	176.1	161.4	147.8	137.1	128.4	121.1
-25°	206.9	180.6	163.4	149.2	138.0	128.8	121.1
-27.5°	213.7	185.4	165.2	150.5	138.7	129.2	121.1
-30°	219.6	189.6	167.0	151.7	139.5	129.5	121.1
-32.5°	224.2	193.4	169.6	152.8	140.2	129.9	121.1
-35°	228.4	196.5	171.8	153.7	140.8	130.2	121.1
-37.5°	232.0	199.1	173.7	154.5	141.4	130.5	121.1
-40°	234.7	201.3	175.2	155.2	141.9	130.8	121.1
-42.5°	236.4	202.9	176.5	155.9	142.4	131.0	121.1
-45°	237.3	204.0	177.7	156.7	142.9	131.3	121.1
-47.5°	237.2	204.4	178.5	157.4	143.2	131.5	121.1
-50°	236.8	204.4	179.1	158.2	143.6	131.7	121.1
-52.5°	235.6	203.8	179.5	158.9	143.8	131.9	121.1
-55°	233.7	203.5	179.6	159.4	144.0	132.0	121.1
-57.5°	231.1	203.0	179.4	159.8	144.2	132.2	121.1
-60°	228.0	202.2	179.0	160.0	144.3	132.3	121.1
-62.5°	226.1	201.0	178.8	160.1	144.4	132.3	121.1
-65°	223.7	199.4	178.5	160.1	144.5	132.4	121.1
-67.5°	220.9	197.9	177.9	159.9	144.5	132.4	121.1
-70°	217.7	196.5	177.1	159.6	144.4	132.4	121.1
-72.5°	214.9	194.8	176.2	159.3	144.3	132.4	121.1
-75°	212.0	192.8	175.0	158.9	144.2	132.4	121.1
-77.5°	208.7	190.6	174.0	158.5	144.0	132.3	121.1
-80°	205.1	188.6	172.9	157.9	143.7	132.2	121.1
-82.5°	202.0	186.5	171.6	157.2	143.4	132.1	121.1
-85°	198.8	184.3	170.2	156.4	143.1	132.0	121.1
-87.5°	195.4	181.9	168.7	155.6	142.7	131.9	121.1
-90°	109.0	110.8	112.6	114.3	116.1	118.6	121.1

(END OF REPORT)