

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: P1212120 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS12-1000R-40-90-7F-ECV**

Issue Date: 11/14/2025

Test Information

Test Method: LM-79-08
Report Number: P1212120 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2509-549-33)
Test Lab: INNOVATION CENTER
Issue Date: 11/14/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: EPHEBUS
Catalog Number: EPH-LS12-1000R-40-90-7F-ECV
Description: EPHEBUS LS12 LUMINAIRE
(12) 4000K, 90 CRI LEDS AND 7F BEAM SHAPE WITH EXTREME CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

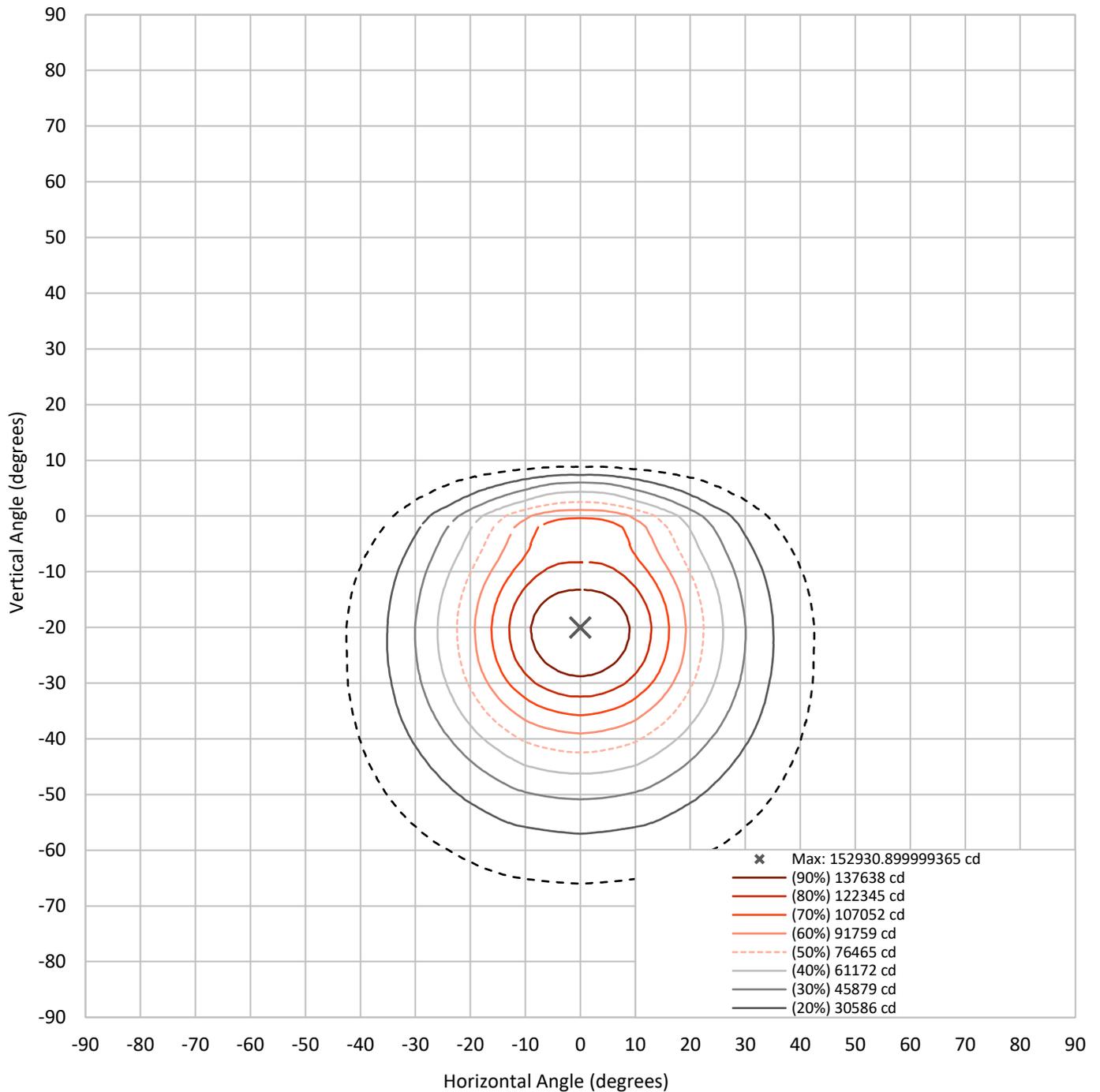
Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	100790.4 lumens	Max Intensity:	152930.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	96.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.83' x L: 0.79' x H: 0')		
Beam Angle (50%):	44.8°H x 44.8°V	Field Angle (10%):	84.9°H x 74.8°V
Beam Lumens:	54086.9 lumens	Field Lumens:	92409.3 lumens
Beam Efficiency:	53.7%	Field Efficiency:	91.7%

Input Watts (W): 1041
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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CATALOG NUMBER: EPH-LS12-1000R-40-90-7F-ECV

Iso-Candela Plot





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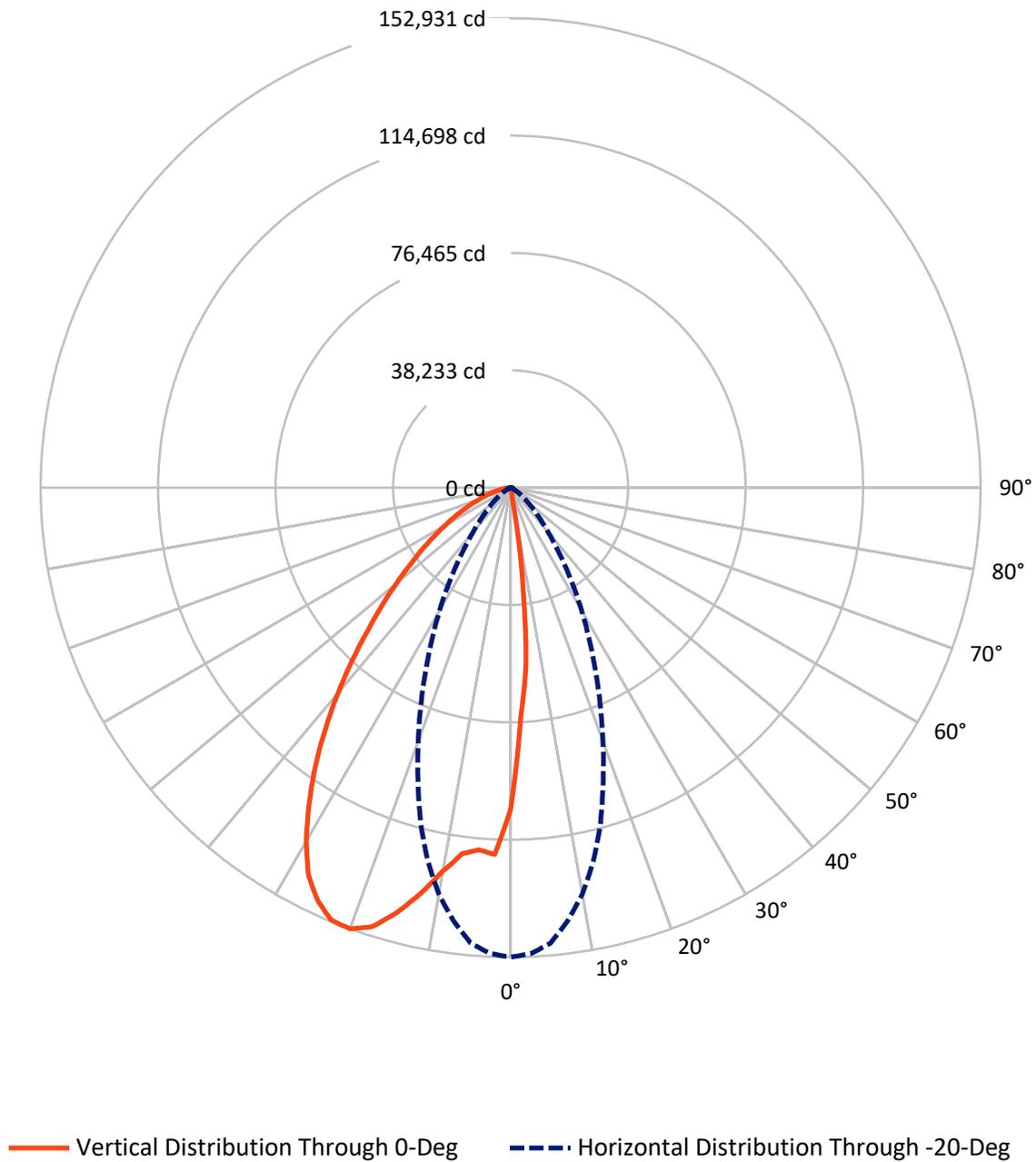
CATALOG NUMBER: EPH-LS12-1000R-40-90-7F-ECV

Lumen Table

90	2.0		5.3		6.8		7.1		6.7		7.1		6.8		5.3		2.0	
80	1.9		1.1	1.3	1.3	1.2	0.9	0.6	0.2	0.2	0.6	0.9	1.2	1.3	1.3	1.1	1.9	
70	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	
60	2.1		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	2.1	
50	2.6		1.2	1.5	1.7	1.6	1.4	0.9	0.3	0.3	0.9	1.4	1.6	1.7	1.5	1.2	2.6	
40	4.2		1.3	1.6	1.9	2.0	1.8	1.2	0.4	0.4	1.2	1.8	2.0	1.9	1.6	1.3	4.2	
30	5.7		1.4	2.3	4.2	5.9	12.5	15.2	15.2	15.2	15.2	12.5	5.9	4.2	2.3	1.4	5.7	
20	5.3		2.2	8.9	37.6	156.8	483.3	1021.0	1535.6	1535.6	1021.0	483.3	156.8	37.6	8.9	2.2	5.3	
10	5.3		5.8	36.7	157.0	528.3	1339.9	2509.7	3464.4	3464.4	2509.7	1339.9	528.3	157.0	36.7	5.8	5.3	
0	5.3		11.7	66.7	249.5	742.7	1728.0	3125.8	4160.1	4160.1	3125.8	1728.0	742.7	249.5	66.7	11.7	5.3	
-10	5.3		16.0	79.9	270.1	778.1	1765.3	3175.3	4255.8	4255.8	3175.3	1765.3	778.1	270.1	79.9	16.0	5.3	
-20	5.7		16.8	76.9	248.8	668.9	1430.3	2452.0	3216.0	3216.0	2452.0	1430.3	668.9	248.8	76.9	16.8	5.7	
-30	5.7		15.6	65.5	198.5	485.2	959.9	1546.0	1954.8	1954.8	1546.0	959.9	485.2	198.5	65.5	15.6	5.7	
-40	5.3		12.9	48.5	137.5	308.1	568.0	862.7	1044.7	1044.7	862.7	568.0	308.1	137.5	48.5	12.9	5.3	
-50	5.3		8.9	29.1	78.9	167.9	288.4	420.9	500.1	500.1	420.9	288.4	167.9	78.9	29.1	8.9	5.3	
-60	3.8		26.1		122.0		338.3		472.4		338.3		122.0		26.1		3.8	
-70	3.8		26.1		122.0		338.3		472.4		338.3		122.0		26.1		3.8	
-80	3.8		26.1		122.0		338.3		472.4		338.3		122.0		26.1		3.8	
-90	3.8		26.1		122.0		338.3		472.4		338.3		122.0		26.1		3.8	

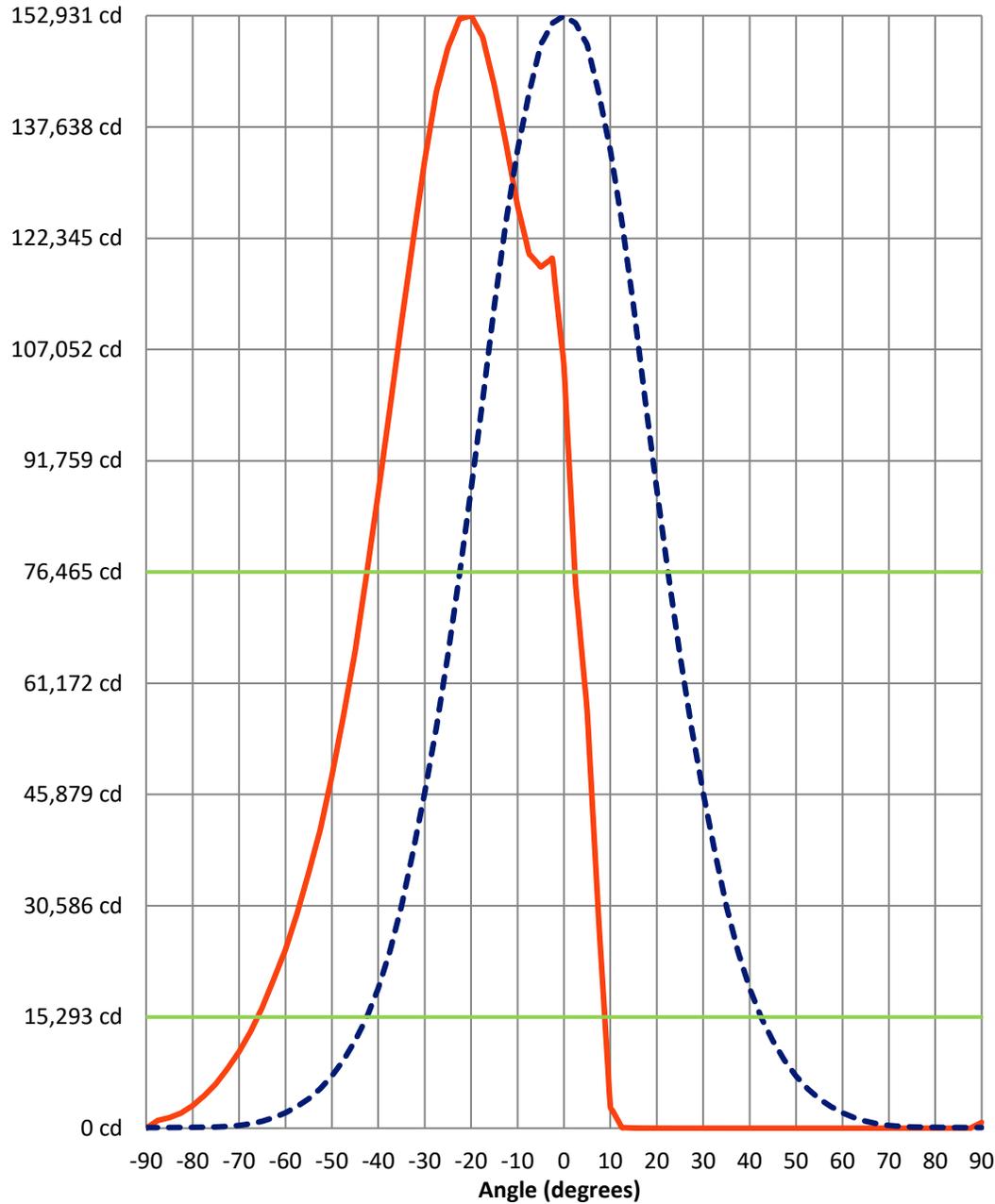
REPORT NUMBER: P1212120 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS12-1000R-40-90-7F-ECV

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 44.8°
 V Angle: 44.8°
 Lumens: 54086.9
 Efficiency: 53.7%

Field:
 H Angle: 84.9°
 V Angle: 74.8°
 Lumens: 92409.3
 Efficiency: 91.7%

Spill:
 Lumens: 8381.1
 Efficiency: 8.3%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through -20-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	96.3	103.3	110.3	126.9	143.6	160.2	176.9	191.3	205.7	220.2	234.6
87.5°	96.3	95.5	94.7	93.5	92.2	91.0	89.7	87.7	85.6	83.6	81.5
85°	96.3	95.5	94.8	93.6	92.3	91.0	89.7	87.7	85.7	83.6	81.6
82.5°	96.3	95.5	94.8	93.7	92.4	91.1	89.8	87.8	85.7	83.7	81.7
80°	96.3	95.5	94.9	93.8	92.5	91.2	89.9	88.0	86.0	83.9	81.8
77.5°	96.3	95.6	95.0	93.9	92.7	91.4	90.1	88.3	86.3	84.2	82.0
75°	96.3	95.6	95.1	94.0	92.8	91.6	90.4	88.6	86.6	84.4	82.2
72.5°	96.3	95.6	95.2	94.2	92.9	91.7	90.7	88.9	86.8	84.6	82.4
70°	96.3	95.6	95.3	94.3	93.1	92.0	90.9	89.1	87.0	84.9	82.7
67.5°	96.3	95.7	95.4	94.4	93.2	92.2	91.1	89.4	87.3	85.2	83.0
65°	96.3	95.7	95.4	94.5	93.4	92.3	91.2	89.6	87.6	85.5	83.4
62.5°	96.3	95.7	95.5	94.6	93.5	92.5	91.4	89.9	87.9	85.9	83.9
60°	96.3	95.8	95.6	94.7	93.7	92.7	91.6	90.3	88.3	86.4	84.4
57.5°	96.3	95.8	95.7	94.8	93.8	92.9	91.8	90.6	88.8	87.1	85.1
55°	96.3	95.8	95.7	94.9	94.0	93.2	92.1	90.8	89.5	87.7	85.8
52.5°	96.3	95.8	95.8	95.0	94.3	93.4	92.4	91.3	90.2	88.5	86.5
50°	96.3	95.9	95.9	95.1	94.5	93.7	92.7	91.8	90.9	89.2	87.2
47.5°	96.3	95.9	95.9	95.2	94.7	94.0	93.0	92.4	91.7	90.1	87.9
45°	96.3	95.9	96.0	95.4	95.0	94.3	93.5	92.9	92.3	90.8	88.7
42.5°	96.3	95.9	96.1	95.6	95.2	94.6	94.0	93.5	92.9	91.5	89.6
40°	96.3	96.0	96.3	95.9	95.5	94.9	94.4	94.1	93.6	92.3	90.5
37.5°	96.3	96.0	96.4	96.2	95.8	95.3	94.9	94.7	94.2	93.1	91.3
35°	96.3	96.0	96.5	96.5	96.1	95.7	95.4	95.4	95.0	93.9	92.3
32.5°	96.3	96.0	96.7	96.8	96.3	96.1	95.9	96.0	95.8	94.9	93.8
30°	96.3	96.1	96.8	97.2	96.6	96.5	96.5	96.7	96.7	96.1	95.4
27.5°	96.3	96.1	97.0	97.5	97.3	96.9	97.0	97.5	97.7	97.3	97.3
25°	96.3	96.1	97.1	97.9	98.0	97.3	97.6	98.3	98.7	98.8	99.4
22.5°	96.3	96.1	97.3	98.3	98.8	98.0	98.2	99.1	99.8	100.5	101.5
20°	96.3	96.2	97.5	98.7	99.7	99.4	98.8	100.0	101.0	102.3	103.8
17.5°	96.3	96.2	97.6	99.2	100.5	101.0	100.5	100.9	102.2	104.2	106.2
15°	96.3	96.2	97.8	99.6	101.4	102.6	102.8	102.9	103.4	106.2	108.6
12.5°	96.3	96.2	98.0	100.0	102.4	104.2	105.3	106.4	106.6	108.2	111.1
10°	96.3	96.2	98.2	100.5	103.3	106.0	107.8	109.9	111.4	116.1	118.4
7.5°	96.3	96.2	98.3	100.9	104.3	107.7	110.3	113.5	116.2	125.2	136.2
5°	96.3	96.3	98.5	101.3	105.2	109.4	112.8	117.2	121.1	134.5	154.9
2.5°	96.3	96.3	98.7	101.7	106.1	111.1	115.2	120.8	126.1	143.9	173.9
0°	96.3	96.3	98.8	102.1	107.0	112.8	117.7	124.3	130.9	153.1	192.6
-2.5°	96.3	96.7	99.8	103.8	109.9	118.1	126.4	138.5	157.6	203.8	285.8
-5°	96.3	97.2	100.7	105.5	112.8	123.2	134.9	152.4	183.6	252.9	375.8
-7.5°	96.3	97.6	101.7	107.2	115.6	128.2	143.1	165.8	208.4	299.1	460.0
-10°	96.3	98.0	102.6	108.8	118.4	132.9	151.0	178.5	231.4	341.3	536.1
-12.5°	96.3	98.4	103.5	110.4	121.0	137.4	158.5	190.4	252.2	385.4	651.0
-15°	96.3	98.8	104.3	111.9	123.4	141.5	165.4	201.3	288.5	473.5	775.3
-17.5°	96.3	99.2	105.2	113.3	125.7	145.3	171.7	225.9	343.2	551.2	882.7
-20°	96.3	99.6	106.0	114.7	127.8	148.7	183.5	259.5	391.3	616.8	971.0



REPORT NUMBER: P1212120 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-40-90-7F-ECV

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	96.3	100.0	106.8	116.0	129.8	151.6	204.2	289.4	431.8	669.2	1038.2
-25°	96.3	100.4	107.5	117.2	131.5	161.0	222.8	315.0	464.1	706.9	1082.6
-27.5°	96.3	100.7	108.2	118.3	133.0	172.3	239.2	336.0	487.5	735.4	1124.9
-30°	96.3	101.0	108.9	119.3	134.8	182.2	253.3	352.1	508.8	762.1	1147.0
-32.5°	96.3	101.4	109.5	120.3	141.1	190.7	264.8	367.6	527.1	775.7	1147.1
-35°	96.3	101.7	110.1	121.1	146.5	197.7	274.7	380.6	538.0	775.7	1124.5
-37.5°	96.3	101.9	110.7	121.8	151.2	203.7	282.6	389.8	541.4	761.8	1131.4
-40°	96.3	102.2	111.2	122.4	155.0	209.2	288.2	395.0	537.0	752.3	1134.1
-42.5°	96.3	102.5	111.6	123.6	158.3	213.3	291.4	396.2	534.6	761.0	1118.6
-45°	96.3	102.7	112.0	125.6	161.1	216.0	292.2	395.0	531.2	758.9	1089.2
-47.5°	96.3	102.9	112.4	127.3	163.1	217.3	290.5	392.4	522.9	743.4	1067.4
-50°	96.3	103.1	112.7	128.8	164.4	217.2	289.2	386.6	518.8	733.8	1028.3
-52.5°	96.3	103.2	112.9	130.2	164.8	215.7	286.3	377.5	510.4	711.5	974.8
-55°	96.3	103.4	113.1	131.3	164.4	213.9	281.4	365.7	496.4	676.9	926.2
-57.5°	96.3	103.5	113.3	132.1	163.3	211.1	274.7	355.6	474.9	641.6	862.8
-60°	96.3	103.6	113.4	132.6	161.5	207.1	266.3	343.5	448.3	600.1	792.3
-62.5°	96.3	103.7	113.4	132.9	161.0	202.0	257.8	327.8	423.0	550.0	724.5
-65°	96.3	103.7	113.4	132.9	160.2	195.8	247.9	309.7	392.7	503.7	646.9
-67.5°	96.3	103.8	113.3	132.6	158.9	190.9	236.5	292.2	357.8	454.3	574.9
-70°	96.3	103.8	113.1	132.2	157.2	187.4	223.8	272.7	330.4	399.6	502.0
-72.5°	96.3	103.8	112.9	131.9	155.1	183.4	216.3	251.5	301.0	360.3	429.2
-75°	96.3	103.8	112.7	131.6	152.7	178.9	209.1	238.2	269.7	319.1	376.7
-77.5°	96.3	103.7	112.4	131.1	151.4	174.0	201.2	227.5	254.6	283.1	321.6
-80°	96.3	103.7	112.0	130.5	150.2	170.7	192.8	216.3	240.7	266.2	292.7
-82.5°	96.3	103.6	111.7	129.8	148.8	168.4	188.8	207.1	226.3	248.7	271.8
-85°	96.3	103.5	111.2	128.9	147.2	165.9	185.0	202.1	219.3	236.9	254.8
-87.5°	96.3	103.4	110.8	128.0	145.5	163.2	181.1	196.8	212.7	228.7	244.9
-90°	96.3	95.5	94.6	93.4	92.2	90.9	89.7	87.7	85.6	83.6	81.5



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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°	246.3	258.1	269.8	281.5	296.5	311.6	326.6	341.6	363.4	385.2	407.0
87.5°	78.7	76.0	73.2	70.5	67.4	64.3	61.3	58.2	54.9	51.7	48.4
85°	78.9	76.3	73.6	70.9	67.8	64.7	61.6	58.5	55.2	51.8	48.3
82.5°	79.0	76.4	73.7	71.0	68.0	64.9	61.8	58.6	55.1	51.6	48.2
80°	79.2	76.6	73.9	71.2	68.2	64.9	61.6	58.3	54.9	51.6	48.3
77.5°	79.4	76.8	74.1	71.5	68.4	65.1	61.8	58.5	55.2	51.9	48.6
75°	79.7	77.1	74.4	71.8	68.8	65.5	62.2	58.9	55.6	52.3	49.0
72.5°	80.0	77.4	74.8	72.2	69.2	66.0	62.7	59.4	56.1	52.8	49.4
70°	80.4	77.8	75.2	72.6	69.8	66.5	63.2	60.0	56.6	53.3	50.0
67.5°	80.8	78.2	75.6	73.0	70.4	67.1	63.9	60.5	57.3	54.0	50.6
65°	81.2	78.7	76.1	73.6	71.0	67.6	64.3	61.1	58.0	54.7	51.3
62.5°	81.7	79.2	76.7	74.1	71.2	68.0	64.9	61.8	58.8	55.5	52.1
60°	82.2	79.8	77.3	74.5	71.6	68.8	65.7	62.7	59.6	56.4	53.0
57.5°	82.9	80.5	77.8	75.2	72.5	69.6	66.7	63.6	60.5	57.4	54.0
55°	83.5	81.2	78.7	76.2	73.5	70.6	67.7	64.6	61.6	58.5	55.1
52.5°	84.2	82.0	79.8	77.3	74.5	71.7	68.7	65.9	62.9	59.7	56.3
50°	85.0	83.1	81.1	78.4	75.6	72.8	70.2	67.4	64.3	61.0	57.7
47.5°	85.9	84.2	82.1	79.5	76.8	74.2	71.9	69.0	65.8	62.5	59.1
45°	86.9	85.1	83.1	80.7	78.2	76.0	73.3	70.5	67.3	64.0	60.7
42.5°	87.9	86.1	84.2	81.9	79.9	77.5	74.8	72.0	69.0	65.7	62.5
40°	88.9	87.3	85.4	83.5	81.6	79.0	76.3	73.6	70.7	67.8	64.7
37.5°	90.0	88.5	86.7	85.2	83.1	80.6	78.0	75.3	72.8	70.2	66.8
35°	91.2	89.8	88.3	86.6	84.4	82.2	79.7	77.3	75.1	72.4	69.1
32.5°	92.5	91.2	89.9	87.9	86.0	84.0	81.6	79.6	77.4	74.8	71.6
30°	94.1	92.7	91.5	89.2	87.6	85.8	83.8	82.1	79.9	77.6	75.3
27.5°	96.3	94.4	92.7	90.8	89.4	87.8	86.4	84.7	82.9	81.0	79.4
25°	98.8	97.6	94.0	92.6	91.4	90.2	89.1	87.8	86.4	84.9	82.7
22.5°	101.5	101.1	98.2	94.4	93.6	92.8	92.2	91.4	90.6	89.2	86.0
20°	104.6	104.9	104.0	104.0	98.2	95.6	95.5	95.3	96.0	97.2	93.5
17.5°	107.8	109.1	111.6	116.1	116.9	111.2	99.1	99.3	102.5	109.6	112.2
15°	111.3	113.7	120.5	130.5	140.3	150.0	153.1	130.3	112.2	126.5	137.5
12.5°	114.9	118.7	130.4	146.7	167.5	197.5	237.4	277.7	294.2	233.3	168.8
10°	118.6	123.8	141.0	164.2	197.6	251.8	337.5	458.0	606.8	757.8	869.1
7.5°	150.1	161.9	172.2	182.5	229.4	310.5	448.5	662.0	966.4	1378.4	1983.6
5°	187.7	238.3	316.8	416.5	523.7	629.1	751.3	889.7	1353.8	2058.8	3241.4
2.5°	226.1	317.3	466.4	692.8	994.1	1362.6	1864.0	2511.4	3331.2	4353.1	5905.7
0°	264.2	395.9	615.6	969.5	1466.6	2100.3	2984.2	4144.7	5622.0	7384.9	9694.3
-2.5°	420.2	640.0	966.4	1449.9	2096.4	2942.9	4091.8	5502.7	7382.0	9839.1	12861.5
-5°	570.5	874.7	1303.1	1908.8	2696.4	3741.3	5135.5	6782.3	9051.5	12093.8	15742.0
-7.5°	711.2	1093.7	1617.6	2345.7	3292.9	4551.1	6200.3	8144.9	10716.5	14088.7	18236.8
-10°	848.7	1331.5	1964.2	2807.3	3893.7	5322.7	7172.2	9362.5	12166.8	15798.0	20318.3
-12.5°	1038.0	1581.5	2287.8	3216.9	4420.0	5986.6	8000.1	10405.8	13363.8	17176.9	21950.1
-15°	1206.9	1800.8	2571.2	3565.8	4859.6	6525.5	8662.7	11250.6	14252.0	18211.8	23129.0
-17.5°	1352.2	1985.0	2808.9	3846.3	5201.5	6924.5	9114.7	11757.5	14841.6	18939.8	23999.3
-20°	1471.2	2130.4	2996.5	4051.6	5447.4	7186.3	9359.7	12035.0	15223.8	19251.9	24313.5



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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°	1561.4	2233.5	3139.3	4230.5	5624.6	7347.4	9465.5	12078.8	15261.8	19073.0	24499.1
-25°	1629.5	2327.8	3239.4	4339.0	5702.0	7395.6	9411.6	11913.7	15053.8	19273.8	24482.6
-27.5°	1675.3	2382.6	3278.9	4377.2	5681.1	7350.0	9322.8	11716.9	15068.0	19204.6	24008.4
-30°	1689.1	2404.8	3265.3	4354.5	5646.0	7246.0	9145.5	11620.5	14850.8	18866.1	23497.0
-32.5°	1685.8	2393.5	3243.3	4295.7	5546.9	7024.3	9015.5	11479.7	14494.6	18155.2	22596.9
-35°	1679.4	2376.8	3195.6	4172.7	5367.5	6863.8	8832.5	11160.6	13899.3	17328.2	21516.0
-37.5°	1669.0	2329.9	3104.3	4027.7	5171.2	6702.9	8494.0	10724.1	13288.0	16323.4	20278.9
-40°	1633.1	2252.9	3008.2	3880.8	4992.3	6452.6	8168.1	10147.1	12526.2	15464.1	18833.5
-42.5°	1577.0	2183.3	2889.5	3701.2	4806.8	6138.4	7711.5	9566.9	11753.5	14400.3	17464.6
-45°	1537.2	2084.7	2743.5	3565.3	4569.7	5770.7	7228.3	8893.4	10950.6	13254.7	15971.7
-47.5°	1475.7	1971.7	2599.4	3364.4	4298.0	5401.7	6671.9	8264.7	10058.7	12150.4	14425.4
-50°	1401.2	1873.1	2430.0	3148.3	3984.6	4984.2	6148.3	7577.1	9220.3	11011.5	13028.6
-52.5°	1330.1	1750.3	2274.6	2900.7	3657.0	4535.2	5620.4	6899.2	8350.5	9943.4	11713.4
-55°	1239.2	1630.2	2096.5	2658.4	3316.3	4092.7	5067.8	6222.4	7446.5	8882.3	10418.2
-57.5°	1146.3	1490.7	1907.5	2404.8	2987.4	3657.4	4553.1	5532.3	6650.1	7838.9	9148.8
-60°	1045.7	1341.2	1702.2	2140.9	2646.3	3267.1	4013.6	4884.8	5843.2	6864.9	8003.3
-62.5°	934.5	1188.6	1492.8	1858.2	2302.5	2842.6	3491.3	4224.6	5029.3	5928.6	6880.9
-65°	831.6	1028.0	1283.3	1590.1	1936.9	2421.7	2964.0	3551.7	4238.1	4985.8	5780.5
-67.5°	715.1	881.2	1079.2	1315.9	1619.0	2004.1	2434.7	2942.1	3487.9	4068.9	4697.9
-70°	614.2	728.1	884.5	1074.2	1302.4	1594.5	1950.9	2344.8	2776.3	3248.9	3765.8
-72.5°	512.7	606.7	712.8	830.3	1015.9	1247.0	1499.1	1770.7	2107.0	2499.2	2904.1
-75°	430.9	483.0	563.7	657.1	782.7	931.5	1095.6	1311.2	1566.5	1849.3	2141.6
-77.5°	365.5	409.3	454.7	501.5	581.1	701.0	828.2	962.0	1130.4	1318.6	1515.3
-80°	314.5	335.1	370.9	408.6	469.5	539.7	614.9	694.8	803.5	934.7	1083.9
-82.5°	291.4	310.4	329.1	347.5	381.7	419.3	462.2	519.2	602.8	692.6	785.8
-85°	270.1	285.4	302.5	319.5	347.1	376.4	406.9	438.4	488.9	542.5	598.0
-87.5°	258.3	271.9	285.5	299.3	319.8	340.9	362.5	384.4	418.3	452.9	488.3
-90°	78.6	75.8	72.9	70.0	66.9	63.8	60.7	57.6	54.3	51.0	47.7



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	428.8	458.0	487.3	516.5	545.7	581.1	616.5	651.8	687.2	712.7	738.3
87.5°	45.2	41.9	38.7	35.4	32.1	28.8	25.5	22.2	18.9	16.0	13.2
85°	44.9	41.5	38.2	34.9	31.6	28.4	25.2	22.1	19.0	16.1	13.2
82.5°	44.7	41.4	38.1	34.8	31.5	28.3	25.0	21.7	18.3	15.4	12.5
80°	44.9	41.6	38.3	35.0	31.7	28.4	25.1	21.7	18.4	15.4	12.5
77.5°	45.3	41.9	38.6	35.3	32.0	28.6	25.3	21.9	18.6	15.6	12.6
75°	45.6	42.3	39.0	35.7	32.3	28.9	25.6	22.2	18.8	15.7	12.7
72.5°	46.1	42.8	39.4	36.0	32.4	29.0	25.6	22.3	19.0	15.9	12.9
70°	46.6	43.2	39.7	36.0	32.4	29.0	25.6	22.2	18.7	15.6	12.7
67.5°	47.2	43.8	40.2	36.6	33.0	29.4	25.9	22.4	18.8	15.6	12.5
65°	48.0	44.5	40.9	37.3	33.6	29.9	26.4	22.8	19.2	15.9	12.7
62.5°	48.7	45.3	41.7	38.0	34.3	30.5	26.9	23.3	19.7	16.2	13.0
60°	49.6	46.2	42.6	38.9	35.1	31.3	27.6	23.9	20.2	16.6	13.3
57.5°	50.6	47.1	43.6	39.8	36.0	32.1	28.3	24.6	20.8	17.0	13.6
55°	51.7	48.2	44.6	40.7	36.8	32.9	29.1	25.3	21.4	17.5	14.0
52.5°	52.9	49.2	45.3	41.3	37.6	33.9	30.0	26.1	22.1	18.1	14.5
50°	54.1	50.2	46.4	42.5	38.9	35.1	31.1	27.0	22.9	18.8	15.0
47.5°	55.5	51.8	48.1	44.5	40.6	36.4	32.2	28.1	23.9	19.6	15.5
45°	57.2	53.6	49.9	45.8	41.5	37.5	33.4	29.2	24.9	20.5	16.2
42.5°	59.0	55.3	51.4	47.3	43.1	39.0	34.8	30.5	26.1	21.5	16.9
40°	61.0	57.2	53.3	49.2	45.0	40.7	36.4	32.0	27.4	22.6	17.7
37.5°	63.2	59.4	55.7	51.7	47.3	42.6	38.3	33.7	28.9	23.9	18.8
35°	65.5	62.4	58.8	54.7	50.2	45.4	40.9	36.0	30.6	25.7	20.5
32.5°	69.1	66.1	62.2	58.2	53.7	48.7	44.0	39.2	34.0	29.0	23.8
30°	73.3	69.4	65.6	61.6	56.6	52.2	48.0	43.6	39.0	33.7	27.0
27.5°	76.3	72.7	68.9	64.1	60.3	56.6	52.6	48.3	41.8	35.4	27.9
25°	79.5	76.1	71.3	67.5	64.5	60.8	55.9	50.0	42.6	35.0	27.7
22.5°	83.0	78.9	74.7	71.6	68.8	64.0	57.9	50.3	42.7	35.3	28.5
20°	86.4	81.9	79.7	79.5	72.6	67.0	59.6	51.6	44.1	37.5	31.2
17.5°	104.1	87.1	91.0	97.6	88.5	71.1	69.2	59.2	49.3	43.2	35.7
15°	138.0	153.4	155.5	125.0	125.9	115.2	93.3	93.4	78.6	75.0	62.7
12.5°	200.6	293.0	471.3	651.4	225.6	198.5	435.4	307.6	314.2	220.4	245.3
10°	826.0	531.0	1159.4	2163.2	3071.1	2915.0	1529.1	3521.9	3436.6	4000.0	2461.7
7.5°	2869.1	3574.3	4346.8	5276.4	7561.9	10385.2	11905.9	13695.6	16794.3	19420.9	22477.9
5°	5236.6	7242.3	9759.7	12358.9	16077.3	20099.1	24587.5	29362.3	33900.1	39591.5	44680.8
2.5°	8735.3	11767.8	15840.1	19768.1	25098.7	30372.0	37008.9	44241.8	50397.0	57190.3	61709.7
0°	13629.1	17926.9	23976.1	30053.2	37570.6	44609.0	53340.4	62285.7	70731.5	81184.6	88358.0
-2.5°	17246.6	22583.3	29008.8	36522.9	44573.0	52619.9	61894.6	72028.9	81494.2	92051.5	101626.8
-5°	20579.5	26458.0	33115.8	40658.3	48570.4	56497.2	65450.8	75566.8	85985.7	95018.2	103324.2
-7.5°	23510.2	29720.2	36599.8	44124.7	52159.8	60920.1	70694.1	81214.3	90526.1	99759.4	107614.3
-10°	25928.5	32448.0	39603.7	47570.1	56376.0	65671.4	75943.7	86831.8	96777.0	106516.3	114878.4
-12.5°	27846.8	34573.5	41980.9	50182.4	59519.2	69829.8	80846.6	92014.1	102667.7	113506.7	121658.1
-15°	29304.6	36127.9	43656.9	52414.9	62533.0	73335.2	84480.2	96414.6	108171.6	118734.6	127983.9
-17.5°	30189.0	37212.6	45200.7	54145.3	64379.3	75438.8	86964.0	98885.2	111422.2	123125.1	132479.8
-20°	30538.8	38027.0	46114.6	55006.2	65039.2	76111.4	87854.5	100122.1	113037.8	124549.0	134445.0



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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°	30865.4	38100.1	46079.5	55074.1	64970.7	75703.7	87185.9	99836.0	112465.2	123729.9	133962.4
-25°	30688.5	37577.1	45402.5	54192.7	63793.8	74355.4	85914.2	98092.4	109743.0	121082.2	130634.7
-27.5°	30003.4	36760.4	44208.1	52508.2	61589.8	71806.8	82965.8	94518.8	105418.0	116461.9	124898.9
-30°	28778.3	35406.8	42539.7	50222.1	58806.7	68236.2	78517.6	88944.8	99401.6	109256.2	117053.2
-32.5°	27774.8	33562.4	40297.0	47553.7	55375.0	63968.3	72984.3	82480.0	92067.0	100528.1	107930.0
-35°	26404.4	31783.7	37633.7	44388.3	51661.7	59309.5	67224.6	75622.5	84136.2	91405.9	98301.6
-37.5°	24710.3	29715.7	35069.1	40738.8	47294.0	54311.5	61341.2	68613.3	75741.4	82293.1	88522.3
-40°	22899.2	27312.3	32172.6	37342.3	42869.6	48593.0	55024.3	61456.2	67417.0	73157.1	78690.4
-42.5°	20950.3	24896.3	29040.4	33661.1	38601.2	43742.1	49035.1	54367.4	59485.9	64513.8	69050.1
-45°	19012.1	22497.3	26146.0	30117.1	34165.7	38710.2	43407.6	48004.7	52313.9	56567.5	60228.3
-47.5°	17197.5	20178.2	23459.0	26866.4	30456.4	34239.5	37989.5	41654.2	45516.8	49187.6	52002.3
-50°	15415.7	18057.1	20915.7	23798.8	26838.0	30103.2	33497.1	36542.8	39538.1	42529.0	44658.9
-52.5°	13631.3	15932.4	18422.6	20952.6	23507.8	26095.8	28674.0	31310.6	33914.6	36408.9	38030.2
-55°	12094.9	13932.8	15875.2	18102.3	20378.9	22622.6	24816.7	26991.8	29087.1	31091.1	32214.5
-57.5°	10615.0	12128.4	13728.8	15516.1	17399.2	19358.9	21222.6	23006.0	24791.0	26475.8	27301.5
-60°	9213.3	10487.4	11850.4	13232.8	14654.7	16109.3	17742.3	19296.5	20768.2	22029.2	22771.0
-62.5°	7880.3	8965.7	10081.6	11211.1	12360.2	13560.8	14797.8	16040.6	17276.2	18312.4	18962.7
-65°	6630.6	7536.8	8420.3	9331.5	10267.5	11256.6	12225.2	13189.5	14140.5	14884.7	15364.3
-67.5°	5408.8	6146.8	6869.5	7582.7	8333.6	9122.6	9915.7	10688.5	11436.9	11988.0	12368.3
-70°	4303.8	4863.5	5447.5	6059.5	6688.2	7300.0	7905.8	8509.7	9106.4	9533.1	9844.8
-72.5°	3319.5	3744.6	4187.0	4670.2	5161.9	5659.6	6147.2	6619.0	7073.2	7394.0	7655.1
-75°	2441.9	2763.5	3120.0	3478.9	3838.4	4213.7	4595.3	4973.5	5345.8	5579.2	5761.3
-77.5°	1743.5	1993.1	2247.6	2504.2	2761.7	3031.0	3302.4	3570.9	3835.2	4020.6	4186.2
-80°	1238.9	1406.1	1577.8	1751.7	1926.9	2110.9	2297.0	2483.1	2667.9	2784.6	2889.1
-82.5°	881.9	990.0	1101.0	1213.8	1327.8	1446.1	1564.0	1680.8	1796.1	1870.6	1940.6
-85°	655.4	724.5	795.2	867.0	939.7	1023.1	1107.8	1193.2	1278.8	1328.9	1377.1
-87.5°	524.2	571.1	618.7	666.8	715.3	767.2	819.1	871.1	923.1	959.3	995.1
-90°	44.4	41.3	38.3	35.2	32.1	28.8	25.5	22.2	18.9	16.0	13.2



REPORT NUMBER: P1212120 (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°	763.8	789.3	794.7	800.0	794.7	789.3	763.8	738.3	712.7	687.2	651.8
87.5°	10.3	7.4	5.4	3.3	5.4	7.4	10.3	13.2	16.0	18.9	22.2
85°	10.3	7.4	5.4	3.3	5.4	7.4	10.3	13.2	16.1	19.0	22.1
82.5°	9.6	6.7	5.0	3.3	5.0	6.7	9.6	12.5	15.4	18.3	21.7
80°	9.6	6.7	5.0	3.3	5.0	6.7	9.6	12.5	15.4	18.4	21.7
77.5°	9.7	6.7	5.0	3.3	5.0	6.7	9.7	12.6	15.6	18.6	21.9
75°	9.8	6.8	4.6	2.5	4.6	6.8	9.8	12.7	15.7	18.8	22.2
72.5°	9.9	6.9	4.6	2.5	4.6	6.9	9.9	12.9	15.9	19.0	22.3
70°	9.8	6.9	4.7	2.5	4.7	6.9	9.8	12.7	15.6	18.7	22.2
67.5°	9.4	6.3	3.9	1.6	3.9	6.3	9.4	12.5	15.6	18.8	22.4
65°	9.6	6.4	3.6	0.8	3.6	6.4	9.6	12.7	15.9	19.2	22.8
62.5°	9.8	6.5	3.6	0.8	3.6	6.5	9.8	13.0	16.2	19.7	23.3
60°	10.0	6.7	3.7	0.8	3.7	6.7	10.0	13.3	16.6	20.2	23.9
57.5°	10.3	6.9	3.4	0.0	3.4	6.9	10.3	13.6	17.0	20.8	24.6
55°	10.5	7.1	3.5	0.0	3.5	7.1	10.5	14.0	17.5	21.4	25.3
52.5°	10.9	7.3	3.7	0.0	3.7	7.3	10.9	14.5	18.1	22.1	26.1
50°	11.3	7.5	3.8	0.0	3.8	7.5	11.3	15.0	18.8	22.9	27.0
47.5°	11.7	7.8	3.9	0.0	3.9	7.8	11.7	15.5	19.6	23.9	28.1
45°	12.2	8.2	4.1	0.0	4.1	8.2	12.2	16.2	20.5	24.9	29.2
42.5°	12.7	8.5	4.3	0.0	4.3	8.5	12.7	16.9	21.5	26.1	30.5
40°	13.4	9.0	4.5	0.0	4.5	9.0	13.4	17.7	22.6	27.4	32.0
37.5°	14.1	9.5	4.8	0.0	4.8	9.5	14.1	18.8	23.9	28.9	33.7
35°	15.4	10.3	5.1	0.8	5.1	10.3	15.4	20.5	25.7	30.6	36.0
32.5°	18.2	12.3	6.2	0.8	6.2	12.3	18.2	23.8	29.0	34.0	39.2
30°	20.3	13.5	6.6	0.8	6.6	13.5	20.3	27.0	33.7	39.0	43.6
27.5°	20.7	14.1	7.8	2.5	7.8	14.1	20.7	27.9	35.4	41.8	48.3
25°	20.7	13.8	6.9	2.5	6.9	13.8	20.7	27.7	35.0	42.6	50.0
22.5°	21.9	14.9	7.5	4.1	7.5	14.9	21.9	28.5	35.3	42.7	50.3
20°	24.3	17.3	10.4	6.6	10.4	17.3	24.3	31.2	37.5	44.1	51.6
17.5°	31.8	23.7	16.1	12.3	16.1	23.7	31.8	35.7	43.2	49.3	59.2
15°	59.4	50.0	40.8	37.9	40.8	50.0	59.4	62.7	75.0	78.6	93.4
12.5°	138.9	124.1	115.0	102.5	115.0	124.1	138.9	245.3	220.4	314.2	307.6
10°	3664.5	3710.1	4161.7	2964.5	4161.7	3710.1	3664.5	2461.7	4000.0	3436.6	3521.9
7.5°	24857.0	27848.1	29042.0	28590.7	29042.0	27848.1	24857.0	22477.9	19420.9	16794.3	13695.6
5°	50185.3	55309.3	56785.4	57428.3	56785.4	55309.3	50185.3	44680.8	39591.5	33900.1	29362.3
2.5°	67969.1	72453.1	74001.7	74873.7	74001.7	72453.1	67969.1	61709.7	57190.3	50397.0	44241.8
0°	96515.3	102530.3	104405.9	104793.6	104405.9	102530.3	96515.3	88358.0	81184.6	70731.5	62285.7
-2.5°	110660.4	117190.4	119580.6	119556.8	119580.6	117190.4	110660.4	101626.8	92051.5	81494.2	72028.9
-5°	110906.2	115927.9	117685.8	118417.8	117685.8	115927.9	110906.2	103324.2	95018.2	85985.7	75566.8
-7.5°	114711.5	119028.9	120209.1	120221.0	120209.1	119028.9	114711.5	107614.3	99759.4	90526.1	81214.3
-10°	121366.4	125645.9	126794.1	126812.5	126794.1	125645.9	121366.4	114878.4	106516.3	96777.0	86831.8
-12.5°	128470.3	133160.1	135001.8	135399.0	135001.8	133160.1	128470.3	121658.1	113506.7	102667.7	92014.1
-15°	135248.5	140203.4	142697.0	143355.1	142697.0	140203.4	135248.5	127983.9	118734.6	108171.6	96414.6
-17.5°	140056.6	145995.1	148925.2	149952.4	148925.2	145995.1	140056.6	132479.8	123125.1	111422.2	98885.2
-20°	142323.2	148928.6	151890.3	152930.9	151890.3	148928.6	142323.2	134445.0	124549.0	113037.8	100122.1



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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°	141432.8	147529.6	151067.0	152479.9	151067.0	147529.6	141432.8	133962.4	123729.9	112465.2	99836.0
-25°	138352.2	143843.7	147518.9	148484.1	147518.9	143843.7	138352.2	130634.7	121082.2	109743.0	98092.4
-27.5°	132702.4	137527.9	141107.0	142406.2	141107.0	137527.9	132702.4	124898.9	116461.9	105418.0	94518.8
-30°	124422.0	128899.6	132593.4	132989.2	132593.4	128899.6	124422.0	117053.2	109256.2	99401.6	88944.8
-32.5°	114195.3	118414.2	121858.5	121982.2	121858.5	118414.2	114195.3	107930.0	100528.1	92067.0	82480.0
-35°	103503.2	106870.8	109471.2	110727.5	109471.2	106870.8	103503.2	98301.6	91405.9	84136.2	75622.5
-37.5°	92728.2	95756.9	98015.3	98908.2	98015.3	95756.9	92728.2	88522.3	82293.1	75741.4	68613.3
-40°	82039.1	84651.9	86507.6	87329.2	86507.6	84651.9	82039.1	78690.4	73157.1	67417.0	61456.2
-42.5°	71773.4	74139.3	75734.7	76211.1	75734.7	74139.3	71773.4	69050.1	64513.8	59485.9	54367.4
-45°	62490.1	64407.7	65493.9	65525.1	65493.9	64407.7	62490.1	60228.3	56567.5	52313.9	48004.7
-47.5°	53857.6	55448.9	56419.9	56704.0	56419.9	55448.9	53857.6	52002.3	49187.6	45516.8	41654.2
-50°	46143.3	47397.3	48151.9	48422.9	48151.9	47397.3	46143.3	44658.9	42529.0	39538.1	36542.8
-52.5°	39264.6	40289.2	40862.5	41053.6	40862.5	40289.2	39264.6	38030.2	36408.9	33914.6	31310.6
-55°	33228.6	34142.3	34763.7	35118.0	34763.7	34142.3	33228.6	32214.5	31091.1	29087.1	26991.8
-57.5°	27971.2	28492.5	29023.7	29500.9	29023.7	28492.5	27971.2	27301.5	26475.8	24791.0	23006.0
-60°	23418.8	23970.7	24329.8	24556.3	24329.8	23970.7	23418.8	22771.0	22029.2	20768.2	19296.5
-62.5°	19546.0	20055.2	20351.2	20518.6	20351.2	20055.2	19546.0	18962.7	18312.4	17276.2	16040.6
-65°	15786.1	16147.9	16413.1	16606.8	16413.1	16147.9	15786.1	15364.3	14884.7	14140.5	13189.5
-67.5°	12705.7	12998.6	13178.0	13298.3	13178.0	12998.6	12705.7	12368.3	11988.0	11436.9	10688.5
-70°	10121.3	10362.2	10465.6	10519.8	10465.6	10362.2	10121.3	9844.8	9533.1	9106.4	8509.7
-72.5°	7896.0	8114.1	8169.4	8182.4	8169.4	8114.1	7896.0	7655.1	7394.0	7073.2	6619.0
-75°	5923.0	6064.8	6096.3	6102.7	6096.3	6064.8	5923.0	5761.3	5579.2	5345.8	4973.5
-77.5°	4342.1	4487.2	4495.6	4483.8	4495.6	4487.2	4342.1	4186.2	4020.6	3835.2	3570.9
-80°	2987.2	3078.4	3101.6	3115.1	3101.6	3078.4	2987.2	2889.1	2784.6	2667.9	2483.1
-82.5°	2008.1	2072.7	2083.7	2090.5	2083.7	2072.7	2008.1	1940.6	1870.6	1796.1	1680.8
-85°	1424.1	1469.8	1467.9	1464.1	1467.9	1469.8	1424.1	1377.1	1328.9	1278.8	1193.2
-87.5°	1030.5	1065.5	1072.5	1079.0	1072.5	1065.5	1030.5	995.1	959.3	923.1	871.1
-90°	10.3	7.4	5.3	3.3	5.3	7.4	10.3	13.2	16.0	18.9	22.2



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	616.5	581.1	545.7	516.5	487.3	458.0	428.8	407.0	385.2	363.4	341.6
87.5°	25.5	28.8	32.1	35.4	38.7	41.9	45.2	48.4	51.7	54.9	58.2
85°	25.2	28.4	31.6	34.9	38.2	41.5	44.9	48.3	51.8	55.2	58.5
82.5°	25.0	28.3	31.5	34.8	38.1	41.4	44.7	48.2	51.6	55.1	58.6
80°	25.1	28.4	31.7	35.0	38.3	41.6	44.9	48.3	51.6	54.9	58.3
77.5°	25.3	28.6	32.0	35.3	38.6	41.9	45.3	48.6	51.9	55.2	58.5
75°	25.6	28.9	32.3	35.7	39.0	42.3	45.6	49.0	52.3	55.6	58.9
72.5°	25.6	29.0	32.4	36.0	39.4	42.8	46.1	49.4	52.8	56.1	59.4
70°	25.6	29.0	32.4	36.0	39.7	43.2	46.6	50.0	53.3	56.6	60.0
67.5°	25.9	29.4	33.0	36.6	40.2	43.8	47.2	50.6	54.0	57.3	60.5
65°	26.4	29.9	33.6	37.3	40.9	44.5	48.0	51.3	54.7	58.0	61.1
62.5°	26.9	30.5	34.3	38.0	41.7	45.3	48.7	52.1	55.5	58.8	61.8
60°	27.6	31.3	35.1	38.9	42.6	46.2	49.6	53.0	56.4	59.6	62.7
57.5°	28.3	32.1	36.0	39.8	43.6	47.1	50.6	54.0	57.4	60.5	63.6
55°	29.1	32.9	36.8	40.7	44.6	48.2	51.7	55.1	58.5	61.6	64.6
52.5°	30.0	33.9	37.6	41.3	45.3	49.2	52.9	56.3	59.7	62.9	65.9
50°	31.1	35.1	38.9	42.5	46.4	50.2	54.1	57.7	61.0	64.3	67.4
47.5°	32.2	36.4	40.6	44.5	48.1	51.8	55.5	59.1	62.5	65.8	69.0
45°	33.4	37.5	41.5	45.8	49.9	53.6	57.2	60.7	64.0	67.3	70.5
42.5°	34.8	39.0	43.1	47.3	51.4	55.3	59.0	62.5	65.7	69.0	72.0
40°	36.4	40.7	45.0	49.2	53.3	57.2	61.0	64.7	67.8	70.7	73.6
37.5°	38.3	42.6	47.3	51.7	55.7	59.4	63.2	66.8	70.2	72.8	75.3
35°	40.9	45.4	50.2	54.7	58.8	62.4	65.5	69.1	72.4	75.1	77.3
32.5°	44.0	48.7	53.7	58.2	62.2	66.1	69.1	71.6	74.8	77.4	79.6
30°	48.0	52.2	56.6	61.6	65.6	69.4	73.3	75.3	77.6	79.9	82.1
27.5°	52.6	56.6	60.3	64.1	68.9	72.7	76.3	79.4	81.0	82.9	84.7
25°	55.9	60.8	64.5	67.5	71.3	76.1	79.5	82.7	84.9	86.4	87.8
22.5°	57.9	64.0	68.8	71.6	74.7	78.9	83.0	86.0	89.2	90.6	91.4
20°	59.6	67.0	72.6	79.5	79.7	81.9	86.4	93.5	97.2	96.0	95.3
17.5°	69.2	71.1	88.5	97.6	91.0	87.1	104.1	112.2	109.6	102.5	99.3
15°	93.3	115.2	125.9	125.0	155.5	153.4	138.0	137.5	126.5	112.2	130.3
12.5°	435.4	198.5	225.6	651.4	471.3	293.0	200.6	168.8	233.3	294.2	277.7
10°	1529.1	2915.0	3071.1	2163.2	1159.4	531.0	826.0	869.1	757.8	606.8	458.0
7.5°	11905.9	10385.2	7561.9	5276.4	4346.8	3574.3	2869.1	1983.6	1378.4	966.4	662.0
5°	24587.5	20099.1	16077.3	12358.9	9759.7	7242.3	5236.6	3241.4	2058.8	1353.8	889.7
2.5°	37008.9	30372.0	25098.7	19768.1	15840.1	11767.8	8735.3	5905.7	4353.1	3331.2	2511.4
0°	53340.4	44609.0	37570.6	30053.2	23976.1	17926.9	13629.1	9694.3	7384.9	5622.0	4144.7
-2.5°	61894.6	52619.9	44573.0	36522.9	29008.8	22583.3	17246.6	12861.5	9839.1	7382.0	5502.7
-5°	65450.8	56497.2	48570.4	40658.3	33115.8	26458.0	20579.5	15742.0	12093.8	9051.5	6782.3
-7.5°	70694.1	60920.1	52159.8	44124.7	36599.8	29720.2	23510.2	18236.8	14088.7	10716.5	8144.9
-10°	75943.7	65671.4	56376.0	47570.1	39603.7	32448.0	25928.5	20318.3	15798.0	12166.8	9362.5
-12.5°	80846.6	69829.8	59519.2	50182.4	41980.9	34573.5	27846.8	21950.1	17176.9	13363.8	10405.8
-15°	84480.2	73335.2	62533.0	52414.9	43656.9	36127.9	29304.6	23129.0	18211.8	14252.0	11250.6
-17.5°	86964.0	75438.8	64379.3	54145.3	45200.7	37212.6	30189.0	23999.3	18939.8	14841.6	11757.5
-20°	87854.5	76111.4	65039.2	55006.2	46114.6	38027.0	30538.8	24313.5	19251.9	15223.8	12035.0



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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°	87185.9	75703.7	64970.7	55074.1	46079.5	38100.1	30865.4	24499.1	19073.0	15261.8	12078.8
-25°	85914.2	74355.4	63793.8	54192.7	45402.5	37577.1	30688.5	24482.6	19273.8	15053.8	11913.7
-27.5°	82965.8	71806.8	61589.8	52508.2	44208.1	36760.4	30003.4	24008.4	19204.6	15068.0	11716.9
-30°	78517.6	68236.2	58806.7	50222.1	42539.7	35406.8	28778.3	23497.0	18866.1	14850.8	11620.5
-32.5°	72984.3	63968.3	55375.0	47553.7	40297.0	33562.4	27774.8	22596.9	18155.2	14494.6	11479.7
-35°	67224.6	59309.5	51661.7	44388.3	37633.7	31783.7	26404.4	21516.0	17328.2	13899.3	11160.6
-37.5°	61341.2	54311.5	47294.0	40738.8	35069.1	29715.7	24710.3	20278.9	16323.4	13288.0	10724.1
-40°	55024.3	48593.0	42869.6	37342.3	32172.6	27312.3	22899.2	18833.5	15464.1	12526.2	10147.1
-42.5°	49035.1	43742.1	38601.2	33661.1	29040.4	24896.3	20950.3	17464.6	14400.3	11753.5	9566.9
-45°	43407.6	38710.2	34165.7	30117.1	26146.0	22497.3	19012.1	15971.7	13254.7	10950.6	8893.4
-47.5°	37989.5	34239.5	30456.4	26866.4	23459.0	20178.2	17197.5	14425.4	12150.4	10058.7	8264.7
-50°	33497.1	30103.2	26838.0	23798.8	20915.7	18057.1	15415.7	13028.6	11011.5	9220.3	7577.1
-52.5°	28674.0	26095.8	23507.8	20952.6	18422.6	15932.4	13631.3	11713.4	9943.4	8350.5	6899.2
-55°	24816.7	22622.6	20378.9	18102.3	15875.2	13932.8	12094.9	10418.2	8882.3	7446.5	6222.4
-57.5°	21222.6	19358.9	17399.2	15516.1	13728.8	12128.4	10615.0	9148.8	7838.9	6650.1	5532.3
-60°	17742.3	16109.3	14654.7	13232.8	11850.4	10487.4	9213.3	8003.3	6864.9	5843.2	4884.8
-62.5°	14797.8	13560.8	12360.2	11211.1	10081.6	8965.7	7880.3	6880.9	5928.6	5029.3	4224.6
-65°	12225.2	11256.6	10267.5	9331.5	8420.3	7536.8	6630.6	5780.5	4985.8	4238.1	3551.7
-67.5°	9915.7	9122.6	8333.6	7582.7	6869.5	6146.8	5408.8	4697.9	4068.9	3487.9	2942.1
-70°	7905.8	7300.0	6688.2	6059.5	5447.5	4863.5	4303.8	3765.8	3248.9	2776.3	2344.8
-72.5°	6147.2	5659.6	5161.9	4670.2	4187.0	3744.6	3319.5	2904.1	2499.2	2107.0	1770.7
-75°	4595.3	4213.7	3838.4	3478.9	3120.0	2763.5	2441.9	2141.6	1849.3	1566.5	1311.2
-77.5°	3302.4	3031.0	2761.7	2504.2	2247.6	1993.1	1743.5	1515.3	1318.6	1130.4	962.0
-80°	2297.0	2110.9	1926.9	1751.7	1577.8	1406.1	1238.9	1083.9	934.7	803.5	694.8
-82.5°	1564.0	1446.1	1327.8	1213.8	1101.0	990.0	881.9	785.8	692.6	602.8	519.2
-85°	1107.8	1023.1	939.7	867.0	795.2	724.5	655.4	598.0	542.5	488.9	438.4
-87.5°	819.1	767.2	715.3	666.8	618.7	571.1	524.2	488.3	452.9	418.3	384.4
-90°	25.5	28.8	32.1	35.2	38.3	41.3	44.4	47.7	51.0	54.3	57.6



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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°	326.6	311.6	296.5	281.5	269.8	258.1	246.3	234.6	220.2	205.7	191.3
87.5°	61.3	64.3	67.4	70.5	73.2	76.0	78.7	81.5	83.6	85.6	87.7
85°	61.6	64.7	67.8	70.9	73.6	76.3	78.9	81.6	83.6	85.7	87.7
82.5°	61.8	64.9	68.0	71.0	73.7	76.4	79.0	81.7	83.7	85.7	87.8
80°	61.6	64.9	68.2	71.2	73.9	76.6	79.2	81.8	83.9	86.0	88.0
77.5°	61.8	65.1	68.4	71.5	74.1	76.8	79.4	82.0	84.2	86.3	88.3
75°	62.2	65.5	68.8	71.8	74.4	77.1	79.7	82.2	84.4	86.6	88.6
72.5°	62.7	66.0	69.2	72.2	74.8	77.4	80.0	82.4	84.6	86.8	88.9
70°	63.2	66.5	69.8	72.6	75.2	77.8	80.4	82.7	84.9	87.0	89.1
67.5°	63.9	67.1	70.4	73.0	75.6	78.2	80.8	83.0	85.2	87.3	89.4
65°	64.3	67.6	71.0	73.6	76.1	78.7	81.2	83.4	85.5	87.6	89.6
62.5°	64.9	68.0	71.2	74.1	76.7	79.2	81.7	83.9	85.9	87.9	89.9
60°	65.7	68.8	71.6	74.5	77.3	79.8	82.2	84.4	86.4	88.3	90.3
57.5°	66.7	69.6	72.5	75.2	77.8	80.5	82.9	85.1	87.1	88.8	90.6
55°	67.7	70.6	73.5	76.2	78.7	81.2	83.5	85.8	87.7	89.5	90.8
52.5°	68.7	71.7	74.5	77.3	79.8	82.0	84.2	86.5	88.5	90.2	91.3
50°	70.2	72.8	75.6	78.4	81.1	83.1	85.0	87.2	89.2	90.9	91.8
47.5°	71.9	74.2	76.8	79.5	82.1	84.2	85.9	87.9	90.1	91.7	92.4
45°	73.3	76.0	78.2	80.7	83.1	85.1	86.9	88.7	90.8	92.3	92.9
42.5°	74.8	77.5	79.9	81.9	84.2	86.1	87.9	89.6	91.5	92.9	93.5
40°	76.3	79.0	81.6	83.5	85.4	87.3	88.9	90.5	92.3	93.6	94.1
37.5°	78.0	80.6	83.1	85.2	86.7	88.5	90.0	91.3	93.1	94.2	94.7
35°	79.7	82.2	84.4	86.6	88.3	89.8	91.2	92.3	93.9	95.0	95.4
32.5°	81.6	84.0	86.0	87.9	89.9	91.2	92.5	93.8	94.9	95.8	96.0
30°	83.8	85.8	87.6	89.2	91.5	92.7	94.1	95.4	96.1	96.7	96.7
27.5°	86.4	87.8	89.4	90.8	92.7	94.4	96.3	97.3	97.3	97.7	97.5
25°	89.1	90.2	91.4	92.6	94.0	97.6	98.8	99.4	98.8	98.7	98.3
22.5°	92.2	92.8	93.6	94.4	98.2	101.1	101.5	101.5	100.5	99.8	99.1
20°	95.5	95.6	98.2	104.0	104.0	104.9	104.6	103.8	102.3	101.0	100.0
17.5°	99.1	111.2	116.9	116.1	111.6	109.1	107.8	106.2	104.2	102.2	100.9
15°	153.1	150.0	140.3	130.5	120.5	113.7	111.3	108.6	106.2	103.4	102.9
12.5°	237.4	197.5	167.5	146.7	130.4	118.7	114.9	111.1	108.2	106.6	106.4
10°	337.5	251.8	197.6	164.2	141.0	123.8	118.6	118.4	116.1	111.4	109.9
7.5°	448.5	310.5	229.4	182.5	172.2	161.9	150.1	136.2	125.2	116.2	113.5
5°	751.3	629.1	523.7	416.5	316.8	238.3	187.7	154.9	134.5	121.1	117.2
2.5°	1864.0	1362.6	994.1	692.8	466.4	317.3	226.1	173.9	143.9	126.1	120.8
0°	2984.2	2100.3	1466.6	969.5	615.6	395.9	264.2	192.6	153.1	130.9	124.3
-2.5°	4091.8	2942.9	2096.4	1449.9	966.4	640.0	420.2	285.8	203.8	157.6	138.5
-5°	5135.5	3741.3	2696.4	1908.8	1303.1	874.7	570.5	375.8	252.9	183.6	152.4
-7.5°	6200.3	4551.1	3292.9	2345.7	1617.6	1093.7	711.2	460.0	299.1	208.4	165.8
-10°	7172.2	5322.7	3893.7	2807.3	1964.2	1331.5	848.7	536.1	341.3	231.4	178.5
-12.5°	8000.1	5986.6	4420.0	3216.9	2287.8	1581.5	1038.0	651.0	385.4	252.2	190.4
-15°	8662.7	6525.5	4859.6	3565.8	2571.2	1800.8	1206.9	775.3	473.5	288.5	201.3
-17.5°	9114.7	6924.5	5201.5	3846.3	2808.9	1985.0	1352.2	882.7	551.2	343.2	225.9
-20°	9359.7	7186.3	5447.4	4051.6	2996.5	2130.4	1471.2	971.0	616.8	391.3	259.5



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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°	9465.5	7347.4	5624.6	4230.5	3139.3	2233.5	1561.4	1038.2	669.2	431.8	289.4
-25°	9411.6	7395.6	5702.0	4339.0	3239.4	2327.8	1629.5	1082.6	706.9	464.1	315.0
-27.5°	9322.8	7350.0	5681.1	4377.2	3278.9	2382.6	1675.3	1124.9	735.4	487.5	336.0
-30°	9145.5	7246.0	5646.0	4354.5	3265.3	2404.8	1689.1	1147.0	762.1	508.8	352.1
-32.5°	9015.5	7024.3	5546.9	4295.7	3243.3	2393.5	1685.8	1147.1	775.7	527.1	367.6
-35°	8832.5	6863.8	5367.5	4172.7	3195.6	2376.8	1679.4	1124.5	775.7	538.0	380.6
-37.5°	8494.0	6702.9	5171.2	4027.7	3104.3	2329.9	1669.0	1131.4	761.8	541.4	389.8
-40°	8168.1	6452.6	4992.3	3880.8	3008.2	2252.9	1633.1	1134.1	752.3	537.0	395.0
-42.5°	7711.5	6138.4	4806.8	3701.2	2889.5	2183.3	1577.0	1118.6	761.0	534.6	396.2
-45°	7228.3	5770.7	4569.7	3565.3	2743.5	2084.7	1537.2	1089.2	758.9	531.2	395.0
-47.5°	6671.9	5401.7	4298.0	3364.4	2599.4	1971.7	1475.7	1067.4	743.4	522.9	392.4
-50°	6148.3	4984.2	3984.6	3148.3	2430.0	1873.1	1401.2	1028.3	733.8	518.8	386.6
-52.5°	5620.4	4535.2	3657.0	2900.7	2274.6	1750.3	1330.1	974.8	711.5	510.4	377.5
-55°	5067.8	4092.7	3316.3	2658.4	2096.5	1630.2	1239.2	926.2	676.9	496.4	365.7
-57.5°	4553.1	3657.4	2987.4	2404.8	1907.5	1490.7	1146.3	862.8	641.6	474.9	355.6
-60°	4013.6	3267.1	2646.3	2140.9	1702.2	1341.2	1045.7	792.3	600.1	448.3	343.5
-62.5°	3491.3	2842.6	2302.5	1858.2	1492.8	1188.6	934.5	724.5	550.0	423.0	327.8
-65°	2964.0	2421.7	1936.9	1590.1	1283.3	1028.0	831.6	646.9	503.7	392.7	309.7
-67.5°	2434.7	2004.1	1619.0	1315.9	1079.2	881.2	715.1	574.9	454.3	357.8	292.2
-70°	1950.9	1594.5	1302.4	1074.2	884.5	728.1	614.2	502.0	399.6	330.4	272.7
-72.5°	1499.1	1247.0	1015.9	830.3	712.8	606.7	512.7	429.2	360.3	301.0	251.5
-75°	1095.6	931.5	782.7	657.1	563.7	483.0	430.9	376.7	319.1	269.7	238.2
-77.5°	828.2	701.0	581.1	501.5	454.7	409.3	365.5	321.6	283.1	254.6	227.5
-80°	614.9	539.7	469.5	408.6	370.9	335.1	314.5	292.7	266.2	240.7	216.3
-82.5°	462.2	419.3	381.7	347.5	329.1	310.4	291.4	271.8	248.7	226.3	207.1
-85°	406.9	376.4	347.1	319.5	302.5	285.4	270.1	254.8	236.9	219.3	202.1
-87.5°	362.5	340.9	319.8	299.3	285.5	271.9	258.3	244.9	228.7	212.7	196.8
-90°	60.7	63.8	66.9	70.0	72.9	75.8	78.6	81.5	83.6	85.6	87.7



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	176.9	160.2	143.6	126.9	110.3	103.3	96.3
87.5°	89.7	91.0	92.2	93.5	94.7	95.5	96.3
85°	89.7	91.0	92.3	93.6	94.8	95.5	96.3
82.5°	89.8	91.1	92.4	93.7	94.8	95.5	96.3
80°	89.9	91.2	92.5	93.8	94.9	95.5	96.3
77.5°	90.1	91.4	92.7	93.9	95.0	95.6	96.3
75°	90.4	91.6	92.8	94.0	95.1	95.6	96.3
72.5°	90.7	91.7	92.9	94.2	95.2	95.6	96.3
70°	90.9	92.0	93.1	94.3	95.3	95.6	96.3
67.5°	91.1	92.2	93.2	94.4	95.4	95.7	96.3
65°	91.2	92.3	93.4	94.5	95.4	95.7	96.3
62.5°	91.4	92.5	93.5	94.6	95.5	95.7	96.3
60°	91.6	92.7	93.7	94.7	95.6	95.8	96.3
57.5°	91.8	92.9	93.8	94.8	95.7	95.8	96.3
55°	92.1	93.2	94.0	94.9	95.7	95.8	96.3
52.5°	92.4	93.4	94.3	95.0	95.8	95.8	96.3
50°	92.7	93.7	94.5	95.1	95.9	95.9	96.3
47.5°	93.0	94.0	94.7	95.2	95.9	95.9	96.3
45°	93.5	94.3	95.0	95.4	96.0	95.9	96.3
42.5°	94.0	94.6	95.2	95.6	96.1	95.9	96.3
40°	94.4	94.9	95.5	95.9	96.3	96.0	96.3
37.5°	94.9	95.3	95.8	96.2	96.4	96.0	96.3
35°	95.4	95.7	96.1	96.5	96.5	96.0	96.3
32.5°	95.9	96.1	96.3	96.8	96.7	96.0	96.3
30°	96.5	96.5	96.6	97.2	96.8	96.1	96.3
27.5°	97.0	96.9	97.3	97.5	97.0	96.1	96.3
25°	97.6	97.3	98.0	97.9	97.1	96.1	96.3
22.5°	98.2	98.0	98.8	98.3	97.3	96.1	96.3
20°	98.8	99.4	99.7	98.7	97.5	96.2	96.3
17.5°	100.5	101.0	100.5	99.2	97.6	96.2	96.3
15°	102.8	102.6	101.4	99.6	97.8	96.2	96.3
12.5°	105.3	104.2	102.4	100.0	98.0	96.2	96.3
10°	107.8	106.0	103.3	100.5	98.2	96.2	96.3
7.5°	110.3	107.7	104.3	100.9	98.3	96.2	96.3
5°	112.8	109.4	105.2	101.3	98.5	96.3	96.3
2.5°	115.2	111.1	106.1	101.7	98.7	96.3	96.3
0°	117.7	112.8	107.0	102.1	98.8	96.3	96.3
-2.5°	126.4	118.1	109.9	103.8	99.8	96.7	96.3
-5°	134.9	123.2	112.8	105.5	100.7	97.2	96.3
-7.5°	143.1	128.2	115.6	107.2	101.7	97.6	96.3
-10°	151.0	132.9	118.4	108.8	102.6	98.0	96.3
-12.5°	158.5	137.4	121.0	110.4	103.5	98.4	96.3
-15°	165.4	141.5	123.4	111.9	104.3	98.8	96.3
-17.5°	171.7	145.3	125.7	113.3	105.2	99.2	96.3
-20°	183.5	148.7	127.8	114.7	106.0	99.6	96.3



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	204.2	151.6	129.8	116.0	106.8	100.0	96.3
-25°	222.8	161.0	131.5	117.2	107.5	100.4	96.3
-27.5°	239.2	172.3	133.0	118.3	108.2	100.7	96.3
-30°	253.3	182.2	134.8	119.3	108.9	101.0	96.3
-32.5°	264.8	190.7	141.1	120.3	109.5	101.4	96.3
-35°	274.7	197.7	146.5	121.1	110.1	101.7	96.3
-37.5°	282.6	203.7	151.2	121.8	110.7	101.9	96.3
-40°	288.2	209.2	155.0	122.4	111.2	102.2	96.3
-42.5°	291.4	213.3	158.3	123.6	111.6	102.5	96.3
-45°	292.2	216.0	161.1	125.6	112.0	102.7	96.3
-47.5°	290.5	217.3	163.1	127.3	112.4	102.9	96.3
-50°	289.2	217.2	164.4	128.8	112.7	103.1	96.3
-52.5°	286.3	215.7	164.8	130.2	112.9	103.2	96.3
-55°	281.4	213.9	164.4	131.3	113.1	103.4	96.3
-57.5°	274.7	211.1	163.3	132.1	113.3	103.5	96.3
-60°	266.3	207.1	161.5	132.6	113.4	103.6	96.3
-62.5°	257.8	202.0	161.0	132.9	113.4	103.7	96.3
-65°	247.9	195.8	160.2	132.9	113.4	103.7	96.3
-67.5°	236.5	190.9	158.9	132.6	113.3	103.8	96.3
-70°	223.8	187.4	157.2	132.2	113.1	103.8	96.3
-72.5°	216.3	183.4	155.1	131.9	112.9	103.8	96.3
-75°	209.1	178.9	152.7	131.6	112.7	103.8	96.3
-77.5°	201.2	174.0	151.4	131.1	112.4	103.7	96.3
-80°	192.8	170.7	150.2	130.5	112.0	103.7	96.3
-82.5°	188.8	168.4	148.8	129.8	111.7	103.6	96.3
-85°	185.0	165.9	147.2	128.9	111.2	103.5	96.3
-87.5°	181.1	163.2	145.5	128.0	110.8	103.4	96.3
-90°	89.7	90.9	92.2	93.4	94.6	95.5	96.3

(END OF REPORT)