

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: P1212180 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS12-1000R-57-70-2S-ECV**

Issue Date: 11/14/2025

Test Information

Test Method: LM-79-08
Report Number: P1212180 (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-57-70-2S-ECV
Description: EPHESUS LS12 LUMINAIRE
(12) 5700K, 70 CRI LEDS AND 2S BEAM SHAPE WITH EXTREME CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

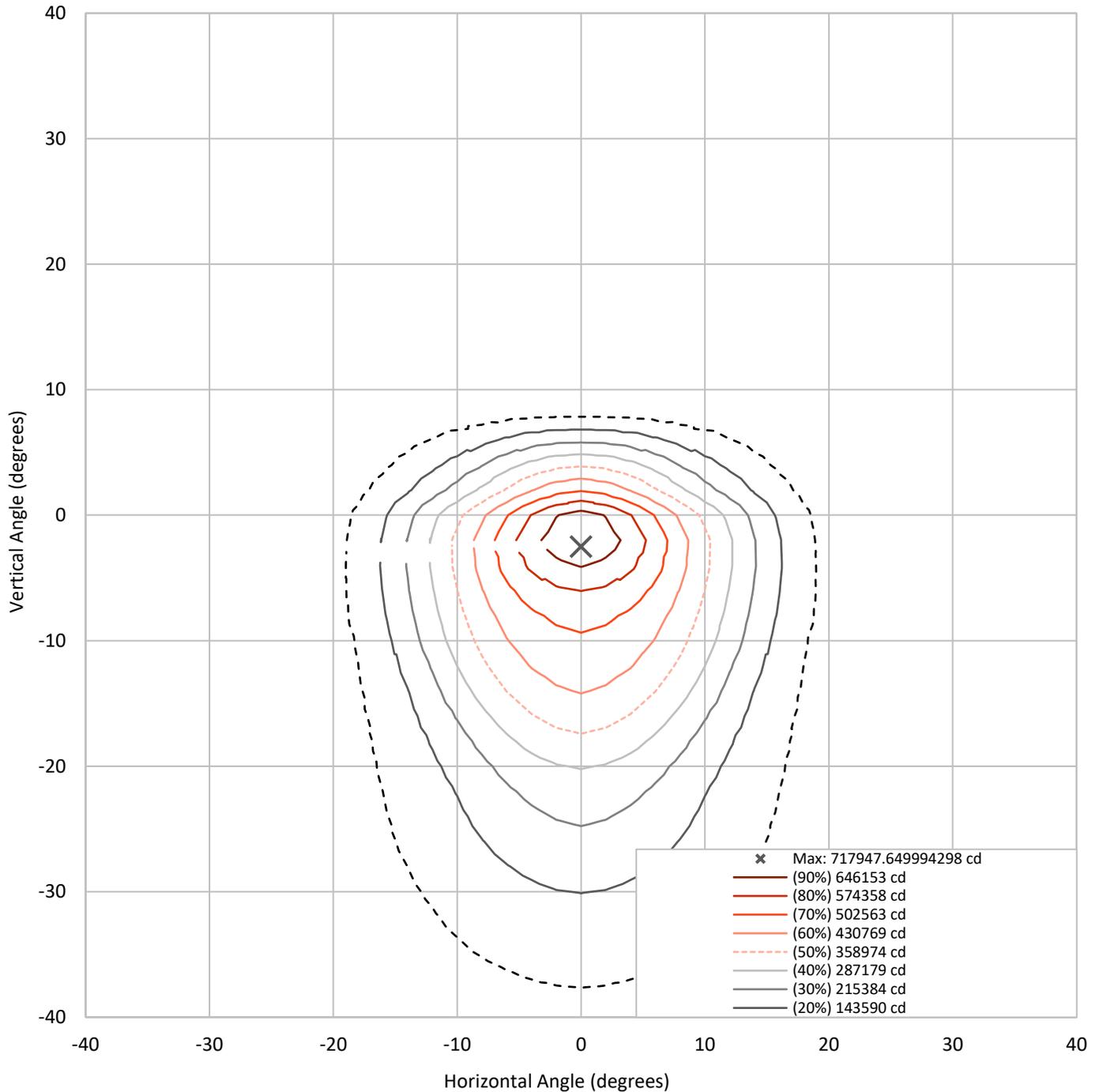
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	130573.9 lumens	Max Intensity:	717947.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -2.5°V
Efficacy:	121.1 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:	48903.4 lumens	Field Lumens:	102959.1 lumens
Beam Efficiency:	37.5%	Field Efficiency:	78.9%
Input Watts (W):	1078.1		
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-57-70-2S-ECV

Iso-Candela Plot





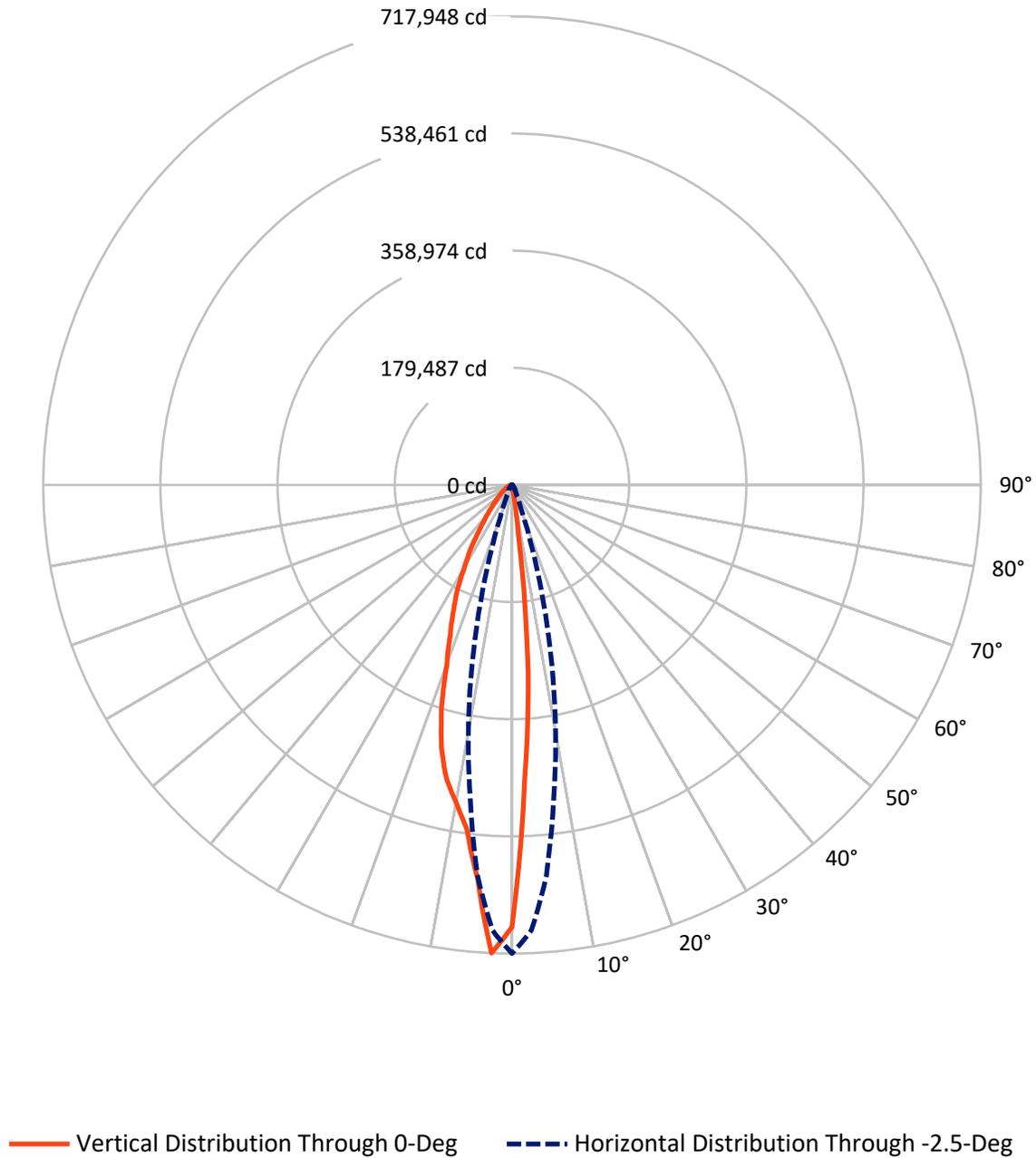
REPORT NUMBER: P1212180 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table

90	2.1		5.4		6.5		5.6		4.3		5.6		6.5		5.4		2.1		
80	2.1		5.4		6.5		5.6		4.3		5.6		6.5		5.4		2.1		
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		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				
50	2.0	1.2	1.5	1.6	1.5	1.2	0.8	0.3	0.3	0.8	1.2	1.5	1.6	1.5	1.2	2.0			
40		1.2	1.5	1.7	1.7	1.5	1.0	0.4	0.4	1.0	1.5	1.7	1.7	1.5	1.2				
30	2.1	1.3	1.7	1.9	2.1	2.2	1.6	0.6	0.6	1.6	2.2	2.1	1.9	1.7	1.3	2.1			
20		1.4	2.0	2.9	4.1	6.5	7.0	8.9	8.9	7.0	6.5	4.1	2.9	2.0	1.4				
10	2.4	1.7	4.8	16.2	52.8	211.2	2064.7	6878.3	6878.3	2064.7	211.2	52.8	16.2	4.8	1.7	2.4			
0		3.2	19.3	68.7	202.4	662.2	5427.4	15514.8	15514.8	5427.4	662.2	202.4	68.7	19.3	3.2				
-10	3.3	5.8	32.3	116.5	296.2	783.7	3667.0	10448.3	10448.3	3667.0	783.7	296.2	116.5	32.3	5.8	3.3			
-20		7.6	35.7	119.0	318.6	779.6	2273.4	5448.3	5448.3	2273.4	779.6	318.6	119.0	35.7	7.6				
-30	4.0	7.9	34.4	102.9	273.8	620.4	1374.0	2550.6	2550.6	1374.0	620.4	273.8	102.9	34.4	7.9	4.0			
-40		7.3	29.3	82.3	190.5	397.6	742.9	1071.9	1071.9	742.9	397.6	190.5	82.3	29.3	7.3				
-50	4.0	5.8	20.8	57.5	123.5	226.8	378.6	501.4	501.4	378.6	226.8	123.5	57.5	20.8	5.8	4.0			
-60		4.3	11.3	30.6	64.8	113.3	173.3	215.2	215.2	173.3	113.3	64.8	30.6	11.3	4.3				
-70	3.5	17.1		51.0		130.7		189.6		130.7		51.0		17.1		3.5			
-80		17.1		51.0		130.7		189.6		130.7		51.0		17.1					
-90	3.5		17.1		51.0		130.7		189.6		130.7		51.0		17.1		3.5		
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

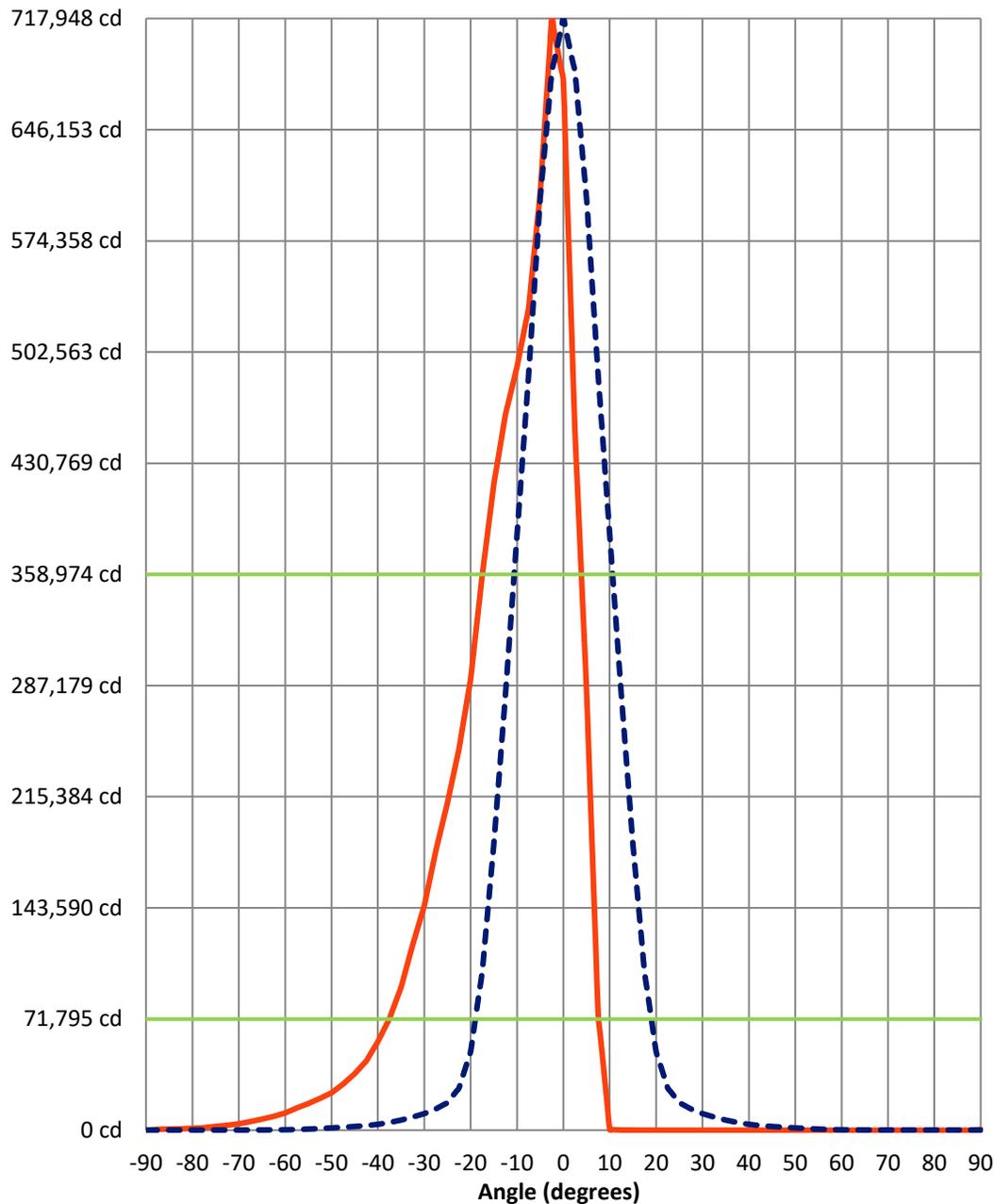
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CATALOG NUMBER: EPH-LS12-1000R-57-70-2S-ECV

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 21.2°
 V Angle: 21.4°
 Lumens: 48903.4
 Efficiency: 37.5%

Field:
 H Angle: 38°
 V Angle: 45.2°
 Lumens: 102959.1
 Efficiency: 78.9%

Spill:
 Lumens: 27614.9
 Efficiency: 21.1%

— Vertical Distribution through 0-Deg
 - - Horizontal Distribution through -2.5-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	99.9	106.0	112.1	128.2	144.4	160.5	176.7	190.1	203.4	216.8	230.2
87.5°	99.9	99.4	98.9	97.4	95.9	94.4	92.9	90.9	88.9	86.8	84.8
85°	99.9	99.4	98.9	97.4	95.9	94.4	92.9	90.9	88.9	86.9	84.9
82.5°	99.9	99.4	98.9	97.4	96.0	94.5	93.0	91.0	89.0	87.0	85.0
80°	99.9	99.4	98.9	97.5	96.0	94.5	93.0	91.1	89.1	87.1	85.1
77.5°	99.9	99.4	98.9	97.5	96.0	94.6	93.1	91.2	89.2	87.2	85.2
75°	99.9	99.4	98.9	97.6	96.1	94.6	93.2	91.3	89.4	87.4	85.4
72.5°	99.9	99.4	98.9	97.6	96.2	94.7	93.3	91.5	89.5	87.6	85.6
70°	99.9	99.4	99.0	97.7	96.3	94.8	93.4	91.7	89.8	87.8	85.9
67.5°	99.9	99.4	99.0	97.7	96.3	95.0	93.6	91.9	90.0	88.1	86.2
65°	99.9	99.4	99.0	97.8	96.5	95.1	93.7	92.1	90.3	88.4	86.5
62.5°	99.9	99.5	99.0	97.9	96.6	95.2	93.9	92.4	90.6	88.7	86.8
60°	99.9	99.5	99.0	98.0	96.7	95.4	94.1	92.7	90.9	89.1	87.2
57.5°	99.9	99.5	99.1	98.1	96.8	95.5	94.3	93.0	91.2	89.5	87.7
55°	99.9	99.5	99.1	98.2	97.0	95.7	94.5	93.2	91.6	89.9	88.1
52.5°	99.9	99.5	99.2	98.3	97.1	95.9	94.7	93.5	92.0	90.3	88.6
50°	99.9	99.5	99.2	98.4	97.3	96.1	94.9	93.8	92.4	90.8	89.3
47.5°	99.9	99.5	99.3	98.6	97.5	96.3	95.2	94.2	92.9	91.3	90.1
45°	99.9	99.5	99.3	98.7	97.6	96.6	95.6	94.6	93.3	92.1	90.9
42.5°	99.9	99.6	99.4	98.9	97.8	96.8	95.9	95.0	93.8	92.9	91.6
40°	99.9	99.6	99.5	99.0	98.0	97.0	96.3	95.5	94.5	93.8	92.4
37.5°	99.9	99.6	99.5	99.1	98.2	97.3	96.8	96.0	95.2	94.6	93.1
35°	99.9	99.6	99.6	99.3	98.4	97.6	97.2	96.6	96.0	95.3	93.9
32.5°	99.9	99.6	99.7	99.5	98.7	98.0	97.7	97.2	96.8	96.1	94.9
30°	99.9	99.6	99.8	99.7	98.9	98.4	98.2	97.8	97.6	97.1	96.1
27.5°	99.9	99.7	99.9	99.9	99.3	98.8	98.7	98.5	98.4	98.1	97.5
25°	99.9	99.7	100.0	100.2	99.8	99.2	99.3	99.2	99.2	99.2	99.0
22.5°	99.9	99.7	100.1	100.4	100.3	99.8	99.8	99.9	100.1	100.5	100.6
20°	99.9	99.7	100.2	100.7	100.9	100.7	100.4	100.6	101.1	101.8	102.3
17.5°	99.9	99.7	100.3	101.0	101.5	101.7	101.6	101.3	102.1	103.2	104.0
15°	99.9	99.8	100.4	101.3	102.1	102.7	103.3	102.8	103.1	104.7	105.7
12.5°	99.9	99.8	100.5	101.6	102.7	103.8	105.0	105.2	105.4	106.2	107.4
10°	99.9	99.8	100.6	101.9	103.4	104.8	106.8	107.8	109.0	110.3	111.1
7.5°	99.9	99.8	100.7	102.2	104.1	105.9	108.7	110.4	112.5	114.8	118.9
5°	99.9	99.9	100.8	102.4	104.7	106.9	110.5	112.9	116.1	119.3	127.0
2.5°	99.9	99.9	100.9	102.7	105.4	108.0	112.3	115.5	119.7	123.8	135.3
0°	99.9	99.9	101.0	103.0	106.0	109.0	114.1	118.1	123.2	128.2	143.4
-2.5°	99.9	100.2	101.8	104.4	108.1	112.5	119.7	126.0	134.7	148.6	181.2
-5°	99.9	100.6	102.6	105.8	110.2	115.8	125.3	133.8	146.0	168.4	217.7
-7.5°	99.9	100.9	103.3	107.1	112.3	119.1	130.6	141.4	156.9	187.2	251.8
-10°	99.9	101.2	104.1	108.4	114.2	122.3	135.7	148.8	167.4	204.7	282.6
-12.5°	99.9	101.5	104.8	109.7	116.2	125.4	140.4	155.8	177.2	223.3	331.1
-15°	99.9	101.9	105.6	110.9	118.0	128.2	144.8	162.4	193.0	260.6	383.9
-17.5°	99.9	102.2	106.3	112.1	119.8	130.9	148.8	173.4	215.7	293.4	429.2
-20°	99.9	102.5	107.0	113.3	121.5	133.3	154.3	187.2	235.8	321.1	466.1



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 CATALOG NUMBER: EPH-LS12-1000R-57-70-2S-ECV

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	99.9	102.8	107.6	114.4	123.1	135.5	162.5	199.6	253.1	343.0	493.7
-25°	99.9	103.1	108.2	115.4	124.5	140.1	169.9	210.4	267.2	358.6	511.1
-27.5°	99.9	103.3	108.8	116.3	125.9	145.4	176.4	219.4	277.8	370.6	528.9
-30°	99.9	103.6	109.4	117.2	127.4	150.3	182.0	226.6	287.3	382.8	538.0
-32.5°	99.9	103.9	109.9	118.0	130.8	154.6	186.6	232.8	295.4	390.0	537.4
-35°	99.9	104.1	110.4	118.8	133.9	158.5	191.3	237.9	300.8	391.8	526.9
-37.5°	99.9	104.3	110.8	119.4	136.7	162.0	195.6	241.5	303.3	388.2	532.9
-40°	99.9	104.6	111.3	120.0	139.2	165.3	199.2	243.7	302.8	386.0	534.9
-42.5°	99.9	104.8	111.6	120.9	141.5	168.1	201.9	244.4	302.5	387.2	525.5
-45°	99.9	105.0	112.0	122.3	143.4	170.3	203.9	245.0	301.5	382.2	506.8
-47.5°	99.9	105.1	112.3	123.6	145.1	172.1	205.1	246.2	298.7	370.5	491.3
-50°	99.9	105.3	112.5	124.9	146.5	173.2	206.1	246.3	293.2	362.6	467.0
-52.5°	99.9	105.5	112.7	126.0	147.5	173.9	206.5	245.3	288.6	350.5	436.0
-55°	99.9	105.6	112.9	127.0	148.2	174.4	206.2	243.5	283.7	334.2	414.4
-57.5°	99.9	105.7	113.0	127.9	148.7	174.5	205.1	241.5	276.9	322.4	387.8
-60°	99.9	105.8	113.1	128.6	148.8	174.1	203.4	237.6	269.1	310.7	361.8
-62.5°	99.9	105.9	113.2	129.1	149.3	173.4	201.8	232.7	262.6	297.0	343.8
-65°	99.9	106.0	113.3	129.5	149.6	172.1	199.6	227.5	255.3	286.5	323.3
-67.5°	99.9	106.1	113.3	129.8	149.7	171.2	196.9	223.0	247.3	276.2	307.8
-70°	99.9	106.1	113.3	130.0	149.6	170.7	193.6	218.0	241.3	265.2	294.2
-72.5°	99.9	106.1	113.3	130.1	149.3	169.9	191.8	212.7	235.1	257.8	280.8
-75°	99.9	106.2	113.2	130.2	148.8	168.9	190.1	209.2	228.5	250.1	272.0
-77.5°	99.9	106.2	113.1	130.1	148.4	167.6	188.0	206.0	224.1	242.8	262.8
-80°	99.9	106.2	112.9	130.0	147.9	166.4	185.6	202.6	219.7	237.3	255.4
-82.5°	99.9	106.1	112.8	129.7	147.2	165.2	183.7	199.3	215.0	231.5	248.3
-85°	99.9	106.1	112.6	129.3	146.4	163.8	181.5	196.4	211.3	226.4	241.6
-87.5°	99.9	106.1	112.3	128.8	145.5	162.3	179.2	193.3	207.5	221.7	236.0
-90°	99.9	99.4	98.9	97.4	95.9	94.4	92.9	90.9	88.9	86.8	84.8



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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°	237.8	245.4	252.9	260.5	265.5	270.6	275.6	280.6	287.4	294.3	301.1
87.5°	82.2	79.5	76.8	74.2	71.1	68.0	65.0	61.9	58.6	55.2	51.9
85°	82.1	79.4	76.6	74.0	71.0	68.1	65.1	62.1	58.8	55.5	52.1
82.5°	82.3	79.7	77.2	74.7	71.8	68.9	65.9	62.8	59.2	55.6	52.0
80°	82.6	80.1	77.5	74.8	71.8	68.6	65.5	62.3	58.7	55.1	51.6
77.5°	82.8	80.1	77.4	74.6	71.5	68.6	65.6	62.5	59.0	55.5	51.9
75°	83.0	80.2	77.6	75.1	72.4	69.3	66.2	62.9	59.5	55.9	52.3
72.5°	83.3	80.7	78.3	76.0	72.9	69.6	66.4	63.3	60.0	56.4	52.8
70°	83.7	81.3	78.7	75.9	72.9	69.8	66.9	63.9	60.6	57.0	53.4
67.5°	84.1	81.6	78.9	76.1	73.7	70.8	67.8	64.6	61.3	57.7	54.1
65°	84.5	81.9	79.4	77.0	74.8	71.7	68.5	65.3	62.0	58.5	54.9
62.5°	85.0	82.5	80.2	77.9	75.5	72.5	69.2	65.9	62.7	59.3	55.7
60°	85.4	83.2	80.9	78.5	76.0	72.9	69.6	66.6	63.6	60.3	56.7
57.5°	85.9	83.8	81.5	79.1	76.3	73.4	70.4	67.5	64.5	61.4	57.8
55°	86.4	84.5	82.2	79.6	76.9	74.3	71.4	68.5	65.5	62.4	58.9
52.5°	87.0	85.2	82.9	80.3	77.8	75.2	72.5	69.6	66.6	63.6	60.2
50°	87.7	85.8	83.7	81.2	78.9	76.4	73.6	70.7	67.9	65.0	61.7
47.5°	88.4	86.6	84.6	82.3	80.2	77.6	74.9	72.4	69.7	66.3	63.0
45°	89.2	87.3	85.5	83.8	81.6	78.9	76.5	74.4	70.8	67.6	64.6
42.5°	89.9	88.2	86.7	85.4	82.9	80.4	78.3	75.2	72.2	69.5	66.4
40°	90.7	89.0	88.0	86.5	84.3	82.0	79.4	76.5	74.4	71.5	68.2
37.5°	91.5	90.3	89.3	87.5	85.8	83.5	80.8	78.6	76.3	73.4	70.2
35°	92.4	91.5	90.3	88.7	87.1	85.0	82.6	80.5	78.2	75.5	72.4
32.5°	93.5	92.8	91.4	90.0	88.4	86.5	84.4	82.6	80.3	77.6	74.7
30°	94.9	93.9	92.5	91.5	89.9	88.2	86.6	84.9	82.4	79.8	77.4
27.5°	96.6	95.0	94.0	93.0	91.4	90.0	88.8	87.1	84.7	82.4	80.7
25°	98.4	97.3	95.5	94.4	93.2	92.1	91.1	89.3	87.1	85.8	84.4
22.5°	100.4	100.0	98.9	95.9	95.1	94.4	93.4	92.1	90.9	89.8	88.5
20°	102.7	103.2	102.7	100.7	98.2	96.6	95.8	95.4	95.8	95.9	95.0
17.5°	105.2	106.5	106.8	106.9	107.4	104.5	98.5	99.3	101.3	103.4	108.4
15°	107.9	110.0	111.3	114.2	118.7	122.3	122.6	113.7	107.9	113.6	126.9
12.5°	110.7	113.7	116.1	122.3	131.6	143.9	158.1	170.1	172.5	154.8	153.0
10°	113.7	117.4	121.1	131.0	145.8	168.3	199.1	236.8	279.3	315.9	340.8
7.5°	126.2	131.8	133.1	140.1	160.8	194.7	244.0	310.8	400.3	497.2	614.8
5°	140.6	158.4	184.4	223.4	286.7	341.1	377.2	393.6	529.8	690.8	913.2
2.5°	155.2	185.8	237.6	321.2	489.0	680.6	886.6	1107.8	1359.1	1670.8	2021.7
0°	169.6	213.0	290.7	419.0	692.5	1022.6	1400.2	1828.2	2328.0	3023.5	3824.1
-2.5°	239.1	322.4	466.3	731.0	1129.5	1504.1	1954.0	2433.6	2974.5	3804.2	5021.0
-5°	305.9	428.0	634.4	1026.8	1545.8	1970.9	2486.4	3016.6	3644.6	4630.6	6114.9
-7.5°	368.0	526.8	790.1	1283.8	1883.5	2401.7	3037.8	3750.3	4530.8	5604.8	7114.0
-10°	427.7	631.4	930.4	1439.7	2107.2	2775.6	3545.3	4417.3	5349.5	6497.5	8014.8
-12.5°	507.4	739.1	1057.1	1570.7	2286.5	3086.6	3982.2	4999.0	6086.1	7297.9	8787.2
-15°	577.9	834.1	1168.7	1674.3	2414.5	3321.6	4335.9	5480.3	6654.6	7793.7	9241.3
-17.5°	637.6	914.7	1263.5	1748.1	2485.2	3469.7	4544.6	5636.9	6927.6	8161.8	9643.0
-20°	685.5	979.3	1340.4	1790.1	2505.2	3472.1	4474.1	5613.0	6992.0	8431.2	9881.9



REPORT NUMBER: P1212180 (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°	720.3	1026.3	1402.4	1853.1	2524.6	3395.5	4363.7	5463.0	6866.1	8577.9	10155.2
-25°	746.7	1062.5	1448.9	1911.3	2519.3	3298.9	4214.3	5205.5	6590.0	8512.8	10476.2
-27.5°	764.8	1080.7	1476.7	1939.7	2493.0	3205.6	4065.9	5002.1	6361.8	8216.2	10551.9
-30°	768.6	1089.4	1482.7	1942.3	2487.5	3151.6	3914.3	4899.2	6069.5	7788.0	9960.1
-32.5°	768.1	1083.1	1475.7	1930.2	2458.5	3076.7	3823.1	4795.3	5909.9	7197.7	9162.1
-35°	769.0	1079.3	1452.0	1891.9	2395.5	3011.0	3752.1	4624.7	5690.4	6857.9	8422.2
-37.5°	767.3	1062.6	1407.9	1835.6	2326.9	2921.0	3620.9	4444.8	5414.3	6572.3	7888.0
-40°	752.6	1033.0	1367.9	1765.4	2241.7	2801.6	3465.0	4226.8	5104.0	6195.9	7477.0
-42.5°	726.7	1001.6	1320.7	1674.8	2141.9	2668.6	3260.4	3978.9	4800.6	5755.1	6894.5
-45°	701.9	955.0	1260.1	1609.2	2019.6	2510.8	3068.8	3687.8	4474.5	5314.7	6293.4
-47.5°	663.1	896.9	1188.3	1521.3	1897.7	2340.9	2847.8	3451.9	4128.0	4901.5	5708.1
-50°	616.3	833.3	1096.4	1412.2	1770.0	2164.4	2623.5	3185.0	3812.3	4487.8	5226.4
-52.5°	574.6	753.7	997.8	1280.8	1616.8	1989.7	2406.6	2902.1	3469.7	4084.6	4751.2
-55°	522.8	683.2	886.4	1142.9	1438.1	1784.9	2183.2	2621.4	3099.7	3659.3	4248.7
-57.5°	479.2	607.3	781.3	996.0	1258.1	1554.5	1925.3	2325.5	2758.3	3224.5	3724.3
-60°	439.5	537.3	676.6	858.1	1070.7	1340.6	1648.1	2002.0	2388.7	2796.8	3233.3
-62.5°	398.6	477.2	581.4	719.8	901.9	1119.7	1387.4	1683.4	1999.6	2352.8	2727.6
-65°	371.7	418.6	496.3	603.1	729.1	918.1	1133.6	1369.7	1643.4	1922.7	2216.5
-67.5°	341.4	381.6	428.1	489.2	595.7	734.5	883.2	1081.8	1297.7	1516.0	1744.1
-70°	321.3	344.7	380.8	424.9	482.0	575.0	702.5	838.0	983.2	1152.6	1347.6
-72.5°	302.9	323.8	345.5	367.9	414.5	480.0	554.8	638.3	748.9	881.1	1018.6
-75°	288.5	302.8	321.3	341.0	368.8	404.2	445.8	509.1	586.6	672.7	761.8
-77.5°	277.3	290.2	303.3	316.6	336.4	364.0	394.6	427.7	473.6	526.5	582.5
-80°	266.9	277.4	289.0	300.9	316.6	334.5	353.8	374.4	405.8	443.5	485.9
-82.5°	258.7	268.6	278.3	288.0	299.0	310.7	323.4	338.4	362.8	389.4	417.3
-85°	250.7	259.6	268.8	277.9	286.7	295.8	305.3	315.0	331.5	349.0	367.2
-87.5°	244.3	252.6	260.8	269.1	275.7	282.5	289.4	296.3	307.3	318.5	330.0
-90°	82.3	79.7	77.2	74.7	71.7	68.6	65.6	62.6	59.1	55.5	52.0



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	307.9	318.5	329.1	339.7	350.3	364.7	379.1	393.4	407.8	424.0	440.2
87.5°	48.5	45.0	41.4	37.9	34.3	30.8	27.3	23.7	20.2	16.9	13.7
85°	48.6	45.1	41.5	38.0	34.4	30.9	27.3	23.8	20.3	17.0	13.7
82.5°	48.3	44.7	41.1	37.5	33.8	30.4	27.1	23.7	20.4	16.8	13.3
80°	48.0	44.4	40.9	37.3	33.8	30.4	27.1	23.8	20.5	16.9	13.4
77.5°	48.3	44.8	41.2	37.6	34.0	30.7	27.3	24.0	20.7	17.1	13.5
75°	48.7	45.2	41.6	38.0	34.4	30.9	27.3	23.7	20.1	16.6	13.2
72.5°	49.2	45.6	42.0	38.4	34.8	31.2	27.7	24.3	20.9	17.4	13.8
70°	49.8	46.2	42.6	38.9	35.3	31.7	28.1	24.5	20.7	17.1	13.5
67.5°	50.5	46.8	43.2	39.5	35.8	32.1	28.5	25.0	21.5	17.9	14.2
65°	51.2	47.5	43.9	40.2	36.4	32.7	29.1	25.4	21.6	17.8	14.1
62.5°	52.1	48.4	44.7	40.9	37.2	33.3	29.5	25.6	21.8	17.9	14.3
60°	53.0	49.3	45.6	41.8	38.0	34.1	30.2	26.3	22.3	18.4	14.6
57.5°	54.1	50.3	46.5	42.7	38.9	34.9	31.0	27.0	22.9	18.8	15.0
55°	55.2	51.5	47.7	43.8	39.9	35.9	31.8	27.7	23.6	19.4	15.5
52.5°	56.5	52.7	48.9	45.0	41.0	36.9	32.8	28.6	24.4	20.1	16.0
50°	57.9	54.1	50.2	46.3	42.2	38.1	33.9	29.6	25.2	20.8	16.5
47.5°	59.5	55.7	51.8	47.7	43.6	39.4	35.1	30.7	26.2	21.6	17.2
45°	61.2	57.4	53.4	49.3	45.1	40.9	36.5	31.9	27.3	22.6	17.9
42.5°	62.9	59.2	55.2	51.1	46.9	42.5	38.0	33.3	28.6	23.7	18.7
40°	64.8	61.2	57.2	53.1	48.8	44.3	39.7	34.9	30.0	24.9	19.7
37.5°	66.8	63.3	59.8	55.8	51.1	46.3	41.8	36.8	31.5	26.3	20.8
35°	69.0	66.0	62.8	58.4	53.8	49.4	44.6	39.3	33.4	28.4	22.9
32.5°	71.9	69.0	65.5	61.6	57.4	53.2	48.0	44.0	38.6	33.5	28.2
30°	75.1	72.1	69.9	66.1	62.4	59.0	56.0	52.9	49.1	43.7	36.4
27.5°	78.5	77.8	76.5	72.0	69.5	67.5	67.0	64.8	59.0	52.7	40.7
25°	83.2	84.9	81.6	79.2	78.4	79.2	77.1	73.1	61.1	48.7	35.0
22.5°	88.7	88.6	87.6	87.7	89.8	90.3	84.2	73.3	54.1	36.9	25.9
20°	93.3	93.3	96.1	102.7	104.9	106.1	92.6	68.9	46.5	39.1	34.5
17.5°	108.7	101.7	114.3	132.1	136.7	119.3	98.7	69.5	56.5	54.7	51.1
15°	137.7	147.9	161.6	171.3	174.9	152.7	113.4	101.9	95.5	100.3	101.4
12.5°	182.1	223.0	278.1	313.9	232.1	200.0	212.5	192.7	193.8	193.6	198.9
10°	358.2	321.9	454.1	629.0	838.7	963.2	446.5	803.2	1414.6	1594.4	880.9
7.5°	854.2	1166.3	1385.8	1449.9	1885.6	3681.8	6296.8	9103.6	16567.1	29221.1	37827.7
5°	1425.4	2223.4	3059.9	4008.0	5245.8	8084.0	15638.3	33143.0	56630.0	94489.1	138353.3
2.5°	2694.6	3887.8	5149.3	6875.6	9094.3	12992.3	25244.4	55646.2	98343.4	155772.2	213353.7
0°	4936.6	6922.3	8795.9	11904.3	15162.0	23052.4	43863.6	92220.6	159458.7	250787.8	340608.9
-2.5°	6550.5	8512.3	10722.1	13778.8	17811.4	27333.3	50791.3	102386.7	184853.3	281268.6	384406.9
-5°	7868.9	10032.5	12607.5	15869.9	20213.8	28838.9	51632.9	101144.7	180542.3	271630.7	367840.1
-7.5°	8944.1	11340.8	14232.7	17652.3	22171.3	30438.6	51560.5	97150.8	167479.1	254444.4	343940.0
-10°	9878.8	12367.8	15579.8	19287.5	24004.5	31395.0	46630.4	83601.9	148675.4	232890.2	316515.3
-12.5°	10826.7	13448.4	16621.7	20433.8	25050.6	32574.9	46943.0	75847.3	127176.1	198529.1	280455.8
-15°	11560.9	14361.5	17474.0	21553.1	26904.3	33993.9	44708.8	68170.9	108850.3	167916.0	238492.6
-17.5°	11917.8	14941.9	18441.4	22593.8	27785.3	34615.8	45623.8	62986.9	95641.2	143628.9	194080.6
-20°	11948.1	15269.2	18880.6	23104.5	28298.0	34751.3	43995.8	60856.9	86675.9	123912.5	164519.7



REPORT NUMBER: P1212180 (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°	12212.9	15178.4	18816.0	22960.4	28159.1	34186.6	42912.3	58320.1	78865.9	108510.4	141899.9
-25°	12337.1	14780.7	18462.0	22741.2	27293.4	33201.8	42461.9	54490.3	73180.8	97046.6	125425.7
-27.5°	12425.1	14672.8	17767.7	22035.6	26471.0	32119.8	40137.3	50429.7	66474.9	84902.1	108763.5
-30°	12498.9	14509.3	17212.9	20602.8	25350.5	30695.3	36895.3	46491.3	58984.9	73824.9	92305.0
-32.5°	11761.7	14402.7	16577.3	19545.6	23397.8	28275.5	33988.9	42155.5	51436.0	63414.8	77527.3
-35°	10753.5	13424.7	16136.7	18660.6	21838.3	25720.8	30909.9	37570.8	44929.5	54365.9	64774.8
-37.5°	9597.5	12067.2	14752.2	17620.4	20406.6	23608.0	27960.9	32990.1	38726.1	46059.9	53758.8
-40°	8828.9	10436.4	12980.0	15631.2	18429.8	21674.9	25173.0	28998.8	33455.1	38767.1	44382.2
-42.5°	8223.2	9651.3	11186.9	13411.2	15975.6	19007.3	22188.2	25454.8	29093.4	32924.7	36711.9
-45°	7419.9	8847.8	10315.5	11817.5	13562.8	16165.4	18943.8	21843.3	24989.5	28125.2	30899.0
-47.5°	6732.4	7914.1	9263.5	10674.9	12240.4	13999.2	15930.9	18192.4	20906.8	23605.4	25772.6
-50°	6073.0	7033.0	8182.9	9417.9	10763.0	12209.9	13728.6	15694.1	17766.4	19815.0	21285.6
-52.5°	5475.9	6294.9	7166.8	8151.1	9312.2	10489.7	11721.4	13419.7	15164.7	16915.2	18007.1
-55°	4885.7	5580.7	6319.8	7158.4	8051.4	8979.3	10029.3	11348.7	12723.2	14128.8	15022.4
-57.5°	4282.5	4866.5	5495.1	6210.3	6948.4	7703.4	8556.4	9519.8	10527.8	11532.4	12248.9
-60°	3693.0	4173.3	4725.8	5317.3	5920.4	6531.9	7254.2	7995.1	8732.4	9405.4	9877.9
-62.5°	3123.7	3541.3	3988.2	4469.0	4976.9	5505.4	6074.6	6659.6	7252.6	7770.6	8126.6
-65°	2536.6	2889.7	3258.0	3633.9	4015.9	4442.7	4910.2	5378.1	5841.6	6236.3	6539.2
-67.5°	2002.9	2273.4	2557.9	2849.2	3160.3	3490.6	3844.0	4197.4	4547.2	4841.9	5087.4
-70°	1542.3	1738.2	1936.4	2148.1	2387.8	2654.1	2940.6	3214.9	3476.4	3672.1	3826.9
-72.5°	1160.8	1310.6	1471.7	1644.4	1813.8	2010.9	2230.8	2451.2	2670.6	2827.2	2956.6
-75°	853.4	958.5	1085.0	1213.5	1343.1	1494.7	1658.4	1823.9	1989.8	2099.2	2188.2
-77.5°	651.2	732.5	816.6	901.4	986.4	1083.8	1185.6	1288.0	1390.2	1464.5	1531.5
-80°	530.4	582.7	638.0	694.8	752.7	819.0	887.2	955.8	1024.4	1079.1	1131.3
-82.5°	446.2	480.8	517.1	554.4	592.5	638.0	684.5	731.2	777.9	816.7	854.5
-85°	385.9	409.0	432.6	456.6	480.9	512.2	544.2	576.3	608.6	635.9	662.8
-87.5°	341.7	357.5	373.6	389.7	406.0	426.8	447.7	468.6	489.6	509.6	529.5
-90°	48.5	45.0	41.4	37.9	34.3	30.8	27.3	23.7	20.2	16.9	13.7



REPORT NUMBER: P1212180 (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°	456.3	472.5	474.0	475.5	474.0	472.5	456.3	440.2	424.0	407.8	393.4
87.5°	10.4	7.1	4.6	2.0	4.6	7.1	10.4	13.7	16.9	20.2	23.7
85°	10.4	7.1	4.6	2.0	4.6	7.1	10.4	13.7	17.0	20.3	23.8
82.5°	9.7	6.2	3.6	1.0	3.6	6.2	9.7	13.3	16.8	20.4	23.7
80°	9.8	6.2	3.6	1.0	3.6	6.2	9.8	13.4	16.9	20.5	23.8
77.5°	9.9	6.3	3.6	1.0	3.6	6.3	9.9	13.5	17.1	20.7	24.0
75°	9.7	6.3	3.6	1.0	3.6	6.3	9.7	13.2	16.6	20.1	23.7
72.5°	10.1	6.4	4.6	3.0	4.6	6.4	10.1	13.8	17.4	20.9	24.3
70°	10.0	6.5	3.7	1.0	3.7	6.5	10.0	13.5	17.1	20.7	24.5
67.5°	10.5	6.7	3.8	1.0	3.8	6.7	10.5	14.2	17.9	21.5	25.0
65°	10.4	6.8	3.8	1.0	3.8	6.8	10.4	14.1	17.8	21.6	25.4
62.5°	10.6	6.9	3.9	1.0	3.9	6.9	10.6	14.3	17.9	21.8	25.6
60°	10.9	7.1	3.9	1.0	3.9	7.1	10.9	14.6	18.4	22.3	26.3
57.5°	11.2	7.3	4.0	1.0	4.0	7.3	11.2	15.0	18.8	22.9	27.0
55°	11.5	7.5	3.7	0.0	3.7	7.5	11.5	15.5	19.4	23.6	27.7
52.5°	11.9	7.8	4.2	1.0	4.2	7.8	11.9	16.0	20.1	24.4	28.6
50°	12.3	8.1	4.0	0.0	4.0	8.1	12.3	16.5	20.8	25.2	29.6
47.5°	12.8	8.4	4.1	0.0	4.1	8.4	12.8	17.2	21.6	26.2	30.7
45°	13.4	8.8	4.6	1.0	4.6	8.8	13.4	17.9	22.6	27.3	31.9
42.5°	14.0	9.2	4.5	0.0	4.5	9.2	14.0	18.7	23.7	28.6	33.3
40°	14.7	9.7	5.0	1.0	5.0	9.7	14.7	19.7	24.9	30.0	34.9
37.5°	15.5	10.3	5.2	1.0	5.2	10.3	15.5	20.8	26.3	31.5	36.8
35°	17.1	11.2	5.4	1.0	5.4	11.2	17.1	22.9	28.4	33.4	39.3
32.5°	21.6	14.4	6.6	1.0	6.6	14.4	21.6	28.2	33.5	38.6	44.0
30°	28.1	19.0	9.0	0.0	9.0	19.0	28.1	36.4	43.7	49.1	52.9
27.5°	30.1	20.5	11.7	0.0	11.7	20.5	30.1	40.7	52.7	59.0	64.8
25°	23.0	13.7	6.2	7.1	6.2	13.7	23.0	35.0	48.7	61.1	73.1
22.5°	22.5	17.9	10.0	14.1	10.0	17.9	22.5	25.9	36.9	54.1	73.3
20°	32.2	27.0	22.3	19.2	22.3	27.0	32.2	34.5	39.1	46.5	68.9
17.5°	54.5	50.7	45.1	37.4	45.1	50.7	54.5	51.1	54.7	56.5	69.5
15°	100.0	93.5	85.9	78.7	85.9	93.5	100.0	101.4	100.3	95.5	101.9
12.5°	180.1	171.0	160.3	145.4	160.3	171.0	180.1	198.9	193.6	193.8	192.7
10°	1561.5	1869.7	2682.3	449.2	2682.3	1869.7	1561.5	880.9	1594.4	1414.6	803.2
7.5°	49937.3	67979.9	74811.6	75493.4	74811.6	67979.9	49937.3	37827.7	29221.1	16567.1	9103.6
5°	182125.7	237843.6	274843.8	284130.3	274843.8	237843.6	182125.7	138353.3	94489.1	56630.0	33143.0
2.5°	285282.6	363594.7	428203.2	451662.6	428203.2	363594.7	285282.6	213353.7	155772.2	98343.4	55646.2
0°	437196.2	538806.9	634268.0	677546.1	634268.0	538806.9	437196.2	340608.9	250787.8	159458.7	92220.6
-2.5°	487815.4	601793.2	683306.8	717947.6	683306.8	601793.2	487815.4	384406.9	281268.6	184853.3	102386.7
-5°	459021.1	537164.3	586950.0	605335.2	586950.0	537164.3	459021.1	367840.1	271630.7	180542.3	101144.7
-7.5°	426078.1	484143.0	519044.0	530837.7	519044.0	484143.0	426078.1	343940.0	254444.4	167479.1	97150.8
-10°	392531.4	451606.4	481650.5	493069.6	481650.5	451606.4	392531.4	316515.3	232890.2	148675.4	83601.9
-12.5°	354024.6	413129.9	446981.2	462057.6	446981.2	413129.9	354024.6	280455.8	198529.1	127176.1	75847.3
-15°	305270.0	363725.3	402150.5	417186.0	402150.5	363725.3	305270.0	238492.6	167916.0	108850.3	68170.9
-17.5°	252754.3	306041.9	342409.7	358280.5	342409.7	306041.9	252754.3	194080.6	143628.9	95641.2	62986.9
-20°	209697.0	251719.8	281484.9	291405.9	281484.9	251719.8	209697.0	164519.7	123912.5	86675.9	60856.9



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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°	179386.9	211841.1	235855.1	246361.1	235855.1	211841.1	179386.9	141899.9	108510.4	78865.9	58320.1
-25°	156350.1	182835.8	204708.4	211431.8	204708.4	182835.8	156350.1	125425.7	97046.6	73180.8	54490.3
-27.5°	134212.6	154775.1	172850.6	180470.8	172850.6	154775.1	134212.6	108763.5	84902.1	66474.9	50429.7
-30°	111550.5	126899.7	141033.9	144897.4	141033.9	126899.7	111550.5	92305.0	73824.9	58984.9	46491.3
-32.5°	91374.2	103340.0	114310.2	119680.6	114310.2	103340.0	91374.2	77527.3	63414.8	51436.0	42155.5
-35°	74493.1	82932.2	90132.4	92328.6	90132.4	82932.2	74493.1	64774.8	54365.9	44929.5	37570.8
-37.5°	60208.6	65945.3	70609.4	72149.4	70609.4	65945.3	60208.6	53758.8	46059.9	38726.1	32990.1
-40°	48502.1	52197.0	55267.8	57257.9	55267.8	52197.0	48502.1	44382.2	38767.1	33455.1	28998.8
-42.5°	39395.1	41896.5	43807.3	44769.2	43807.3	41896.5	39395.1	36711.9	32924.7	29093.4	25454.8
-45°	32854.0	34682.9	35979.9	36530.5	35979.9	34682.9	32854.0	30899.0	28125.2	24989.5	21843.3
-47.5°	27246.6	28529.7	29393.9	29815.2	29393.9	28529.7	27246.6	25772.6	23605.4	20906.8	18192.4
-50°	22401.4	23438.8	24033.0	24182.0	24033.0	23438.8	22401.4	21285.6	19815.0	17766.4	15694.1
-52.5°	18841.2	19569.6	20134.8	20559.9	20134.8	19569.6	18841.2	18007.1	16915.2	15164.7	13419.7
-55°	15813.1	16521.1	16979.5	17252.7	16979.5	16521.1	15813.1	15022.4	14128.8	12723.2	11348.7
-57.5°	12927.9	13556.8	14025.1	14374.5	14025.1	13556.8	12927.9	12248.9	11532.4	10527.8	9519.8
-60°	10326.6	10743.2	10982.9	11123.9	10982.9	10743.2	10326.6	9877.9	9405.4	8732.4	7995.1
-62.5°	8450.5	8740.4	8868.4	8922.1	8868.4	8740.4	8450.5	8126.6	7770.6	7252.6	6659.6
-65°	6815.5	7063.5	7145.9	7165.6	7145.9	7063.5	6815.5	6539.2	6236.3	5841.6	5378.1
-67.5°	5317.7	5529.3	5592.1	5605.9	5592.1	5529.3	5317.7	5087.4	4841.9	4547.2	4197.4
-70°	3968.3	4096.0	4129.6	4138.0	4129.6	4096.0	3968.3	3826.9	3672.1	3476.4	3214.9
-72.5°	3079.0	3192.8	3206.9	3199.2	3206.9	3192.8	3079.0	2956.6	2827.2	2670.6	2451.2
-75°	2269.7	2343.4	2406.1	2461.2	2406.1	2343.4	2269.7	2188.2	2099.2	1989.8	1823.9
-77.5°	1595.1	1655.1	1649.4	1636.4	1649.4	1655.1	1595.1	1531.5	1464.5	1390.2	1288.0
-80°	1181.9	1230.7	1235.5	1236.7	1235.5	1230.7	1181.9	1131.3	1079.1	1024.4	955.8
-82.5°	891.6	927.8	933.7	937.8	933.7	927.8	891.6	854.5	816.7	777.9	731.2
-85°	689.3	715.5	725.5	734.9	725.5	715.5	689.3	662.8	635.9	608.6	576.3
-87.5°	549.3	569.0	570.3	571.4	570.3	569.0	549.3	529.5	509.6	489.6	468.6
-90°	10.4	7.1	4.5	2.0	4.5	7.1	10.4	13.7	16.9	20.2	23.7



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	379.1	364.7	350.3	339.7	329.1	318.5	307.9	301.1	294.3	287.4	280.6
87.5°	27.3	30.8	34.3	37.9	41.4	45.0	48.5	51.9	55.2	58.6	61.9
85°	27.3	30.9	34.4	38.0	41.5	45.1	48.6	52.1	55.5	58.8	62.1
82.5°	27.1	30.4	33.8	37.5	41.1	44.7	48.3	52.0	55.6	59.2	62.8
80°	27.1	30.4	33.8	37.3	40.9	44.4	48.0	51.6	55.1	58.7	62.3
77.5°	27.3	30.7	34.0	37.6	41.2	44.8	48.3	51.9	55.5	59.0	62.5
75°	27.3	30.9	34.4	38.0	41.6	45.2	48.7	52.3	55.9	59.5	62.9
72.5°	27.7	31.2	34.8	38.4	42.0	45.6	49.2	52.8	56.4	60.0	63.3
70°	28.1	31.7	35.3	38.9	42.6	46.2	49.8	53.4	57.0	60.6	63.9
67.5°	28.5	32.1	35.8	39.5	43.2	46.8	50.5	54.1	57.7	61.3	64.6
65°	29.1	32.7	36.4	40.2	43.9	47.5	51.2	54.9	58.5	62.0	65.3
62.5°	29.5	33.3	37.2	40.9	44.7	48.4	52.1	55.7	59.3	62.7	65.9
60°	30.2	34.1	38.0	41.8	45.6	49.3	53.0	56.7	60.3	63.6	66.6
57.5°	31.0	34.9	38.9	42.7	46.5	50.3	54.1	57.8	61.4	64.5	67.5
55°	31.8	35.9	39.9	43.8	47.7	51.5	55.2	58.9	62.4	65.5	68.5
52.5°	32.8	36.9	41.0	45.0	48.9	52.7	56.5	60.2	63.6	66.6	69.6
50°	33.9	38.1	42.2	46.3	50.2	54.1	57.9	61.7	65.0	67.9	70.7
47.5°	35.1	39.4	43.6	47.7	51.8	55.7	59.5	63.0	66.3	69.7	72.4
45°	36.5	40.9	45.1	49.3	53.4	57.4	61.2	64.6	67.6	70.8	74.4
42.5°	38.0	42.5	46.9	51.1	55.2	59.2	62.9	66.4	69.5	72.2	75.2
40°	39.7	44.3	48.8	53.1	57.2	61.2	64.8	68.2	71.5	74.4	76.5
37.5°	41.8	46.3	51.1	55.8	59.8	63.3	66.8	70.2	73.4	76.3	78.6
35°	44.6	49.4	53.8	58.4	62.8	66.0	69.0	72.4	75.5	78.2	80.5
32.5°	48.0	53.2	57.4	61.6	65.5	69.0	71.9	74.7	77.6	80.3	82.6
30°	56.0	59.0	62.4	66.1	69.9	72.1	75.1	77.4	79.8	82.4	84.9
27.5°	67.0	67.5	69.5	72.0	76.5	77.8	78.5	80.7	82.4	84.7	87.1
25°	77.1	79.2	78.4	79.2	81.6	84.9	83.2	84.4	85.8	87.1	89.3
22.5°	84.2	90.3	89.8	87.7	87.6	88.6	88.7	88.5	89.8	90.9	92.1
20°	92.6	106.1	104.9	102.7	96.1	93.3	93.3	95.0	95.9	95.8	95.4
17.5°	98.7	119.3	136.7	132.1	114.3	101.7	108.7	108.4	103.4	101.3	99.3
15°	113.4	152.7	174.9	171.3	161.6	147.9	137.7	126.9	113.6	107.9	113.7
12.5°	212.5	200.0	232.1	313.9	278.1	223.0	182.1	153.0	154.8	172.5	170.1
10°	446.5	963.2	838.7	629.0	454.1	321.9	358.2	340.8	315.9	279.3	236.8
7.5°	6296.8	3681.8	1885.6	1449.9	1385.8	1166.3	854.2	614.8	497.2	400.3	310.8
5°	15638.3	8084.0	5245.8	4008.0	3059.9	2223.4	1425.4	913.2	690.8	529.8	393.6
2.5°	25244.4	12992.3	9094.3	6875.6	5149.3	3887.8	2694.6	2021.7	1670.8	1359.1	1107.8
0°	43863.6	23052.4	15162.0	11904.3	8795.9	6922.3	4936.6	3824.1	3023.5	2328.0	1828.2
-2.5°	50791.3	27333.3	17811.4	13778.8	10722.1	8512.3	6550.5	5021.0	3804.2	2974.5	2433.6
-5°	51632.9	28838.9	20213.8	15869.9	12607.5	10032.5	7868.9	6114.9	4630.6	3644.6	3016.6
-7.5°	51560.5	30438.6	22171.3	17652.3	14232.7	11340.8	8944.1	7114.0	5604.8	4530.8	3750.3
-10°	46630.4	31395.0	24004.5	19287.5	15579.8	12367.8	9878.8	8014.8	6497.5	5349.5	4417.3
-12.5°	46943.0	32574.9	25050.6	20433.8	16621.7	13448.4	10826.7	8787.2	7297.9	6086.1	4999.0
-15°	44708.8	33993.9	26904.3	21553.1	17474.0	14361.5	11560.9	9241.3	7793.7	6654.6	5480.3
-17.5°	45623.8	34615.8	27785.3	22593.8	18441.4	14941.9	11917.8	9643.0	8161.8	6927.6	5636.9
-20°	43995.8	34751.3	28298.0	23104.5	18880.6	15269.2	11948.1	9881.9	8431.2	6992.0	5613.0



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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°	42912.3	34186.6	28159.1	22960.4	18816.0	15178.4	12212.9	10155.2	8577.9	6866.1	5463.0
-25°	42461.9	33201.8	27293.4	22741.2	18462.0	14780.7	12337.1	10476.2	8512.8	6590.0	5205.5
-27.5°	40137.3	32119.8	26471.0	22035.6	17767.7	14672.8	12425.1	10551.9	8216.2	6361.8	5002.1
-30°	36895.3	30695.3	25350.5	20602.8	17212.9	14509.3	12498.9	9960.1	7788.0	6069.5	4899.2
-32.5°	33988.9	28275.5	23397.8	19545.6	16577.3	14402.7	11761.7	9162.1	7197.7	5909.9	4795.3
-35°	30909.9	25720.8	21838.3	18660.6	16136.7	13424.7	10753.5	8422.2	6857.9	5690.4	4624.7
-37.5°	27960.9	23608.0	20406.6	17620.4	14752.2	12067.2	9597.5	7888.0	6572.3	5414.3	4444.8
-40°	25173.0	21674.9	18429.8	15631.2	12980.0	10436.4	8828.9	7477.0	6195.9	5104.0	4226.8
-42.5°	22188.2	19007.3	15975.6	13411.2	11186.9	9651.3	8223.2	6894.5	5755.1	4800.6	3978.9
-45°	18943.8	16165.4	13562.8	11817.5	10315.5	8847.8	7419.9	6293.4	5314.7	4474.5	3687.8
-47.5°	15930.9	13999.2	12240.4	10674.9	9263.5	7914.1	6732.4	5708.1	4901.5	4128.0	3451.9
-50°	13728.6	12209.9	10763.0	9417.9	8182.9	7033.0	6073.0	5226.4	4487.8	3812.3	3185.0
-52.5°	11721.4	10489.7	9312.2	8151.1	7166.8	6294.9	5475.9	4751.2	4084.6	3469.7	2902.1
-55°	10029.3	8979.3	8051.4	7158.4	6319.8	5580.7	4885.7	4248.7	3659.3	3099.7	2621.4
-57.5°	8556.4	7703.4	6948.4	6210.3	5495.1	4866.5	4282.5	3724.3	3224.5	2758.3	2325.5
-60°	7254.2	6531.9	5920.4	5317.3	4725.8	4173.3	3693.0	3233.3	2796.8	2388.7	2002.0
-62.5°	6074.6	5505.4	4976.9	4469.0	3988.2	3541.3	3123.7	2727.6	2352.8	1999.6	1683.4
-65°	4910.2	4442.7	4015.9	3633.9	3258.0	2889.7	2536.6	2216.5	1922.7	1643.4	1369.7
-67.5°	3844.0	3490.6	3160.3	2849.2	2557.9	2273.4	2002.9	1744.1	1516.0	1297.7	1081.8
-70°	2940.6	2654.1	2387.8	2148.1	1936.4	1738.2	1542.3	1347.6	1152.6	983.2	838.0
-72.5°	2230.8	2010.9	1813.8	1644.4	1471.7	1310.6	1160.8	1018.6	881.1	748.9	638.3
-75°	1658.4	1494.7	1343.1	1213.5	1085.0	958.5	853.4	761.8	672.7	586.6	509.1
-77.5°	1185.6	1083.8	986.4	901.4	816.6	732.5	651.2	582.5	526.5	473.6	427.7
-80°	887.2	819.0	752.7	694.8	638.0	582.7	530.4	485.9	443.5	405.8	374.4
-82.5°	684.5	638.0	592.5	554.4	517.1	480.8	446.2	417.3	389.4	362.8	338.4
-85°	544.2	512.2	480.9	456.6	432.6	409.0	385.9	367.2	349.0	331.5	315.0
-87.5°	447.7	426.8	406.0	389.7	373.6	357.5	341.7	330.0	318.5	307.3	296.3
-90°	27.3	30.8	34.3	37.9	41.4	45.0	48.5	52.0	55.5	59.1	62.6



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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°	275.6	270.6	265.5	260.5	252.9	245.4	237.8	230.2	216.8	203.4	190.1
87.5°	65.0	68.0	71.1	74.2	76.8	79.5	82.2	84.8	86.8	88.9	90.9
85°	65.1	68.1	71.0	74.0	76.6	79.4	82.1	84.9	86.9	88.9	90.9
82.5°	65.9	68.9	71.8	74.7	77.2	79.7	82.3	85.0	87.0	89.0	91.0
80°	65.5	68.6	71.8	74.8	77.5	80.1	82.6	85.1	87.1	89.1	91.1
77.5°	65.6	68.6	71.5	74.6	77.4	80.1	82.8	85.2	87.2	89.2	91.2
75°	66.2	69.3	72.4	75.1	77.6	80.2	83.0	85.4	87.4	89.4	91.3
72.5°	66.4	69.6	72.9	76.0	78.3	80.7	83.3	85.6	87.6	89.5	91.5
70°	66.9	69.8	72.9	75.9	78.7	81.3	83.7	85.9	87.8	89.8	91.7
67.5°	67.8	70.8	73.7	76.1	78.9	81.6	84.1	86.2	88.1	90.0	91.9
65°	68.5	71.7	74.8	77.0	79.4	81.9	84.5	86.5	88.4	90.3	92.1
62.5°	69.2	72.5	75.5	77.9	80.2	82.5	85.0	86.8	88.7	90.6	92.4
60°	69.6	72.9	76.0	78.5	80.9	83.2	85.4	87.2	89.1	90.9	92.7
57.5°	70.4	73.4	76.3	79.1	81.5	83.8	85.9	87.7	89.5	91.2	93.0
55°	71.4	74.3	76.9	79.6	82.2	84.5	86.4	88.1	89.9	91.6	93.2
52.5°	72.5	75.2	77.8	80.3	82.9	85.2	87.0	88.6	90.3	92.0	93.5
50°	73.6	76.4	78.9	81.2	83.7	85.8	87.7	89.3	90.8	92.4	93.8
47.5°	74.9	77.6	80.2	82.3	84.6	86.6	88.4	90.1	91.3	92.9	94.2
45°	76.5	78.9	81.6	83.8	85.5	87.3	89.2	90.9	92.1	93.3	94.6
42.5°	78.3	80.4	82.9	85.4	86.7	88.2	89.9	91.6	92.9	93.8	95.0
40°	79.4	82.0	84.3	86.5	88.0	89.0	90.7	92.4	93.8	94.5	95.5
37.5°	80.8	83.5	85.8	87.5	89.3	90.3	91.5	93.1	94.6	95.2	96.0
35°	82.6	85.0	87.1	88.7	90.3	91.5	92.4	93.9	95.3	96.0	96.6
32.5°	84.4	86.5	88.4	90.0	91.4	92.8	93.5	94.9	96.1	96.8	97.2
30°	86.6	88.2	89.9	91.5	92.5	93.9	94.9	96.1	97.1	97.6	97.8
27.5°	88.8	90.0	91.4	93.0	94.0	95.0	96.6	97.5	98.1	98.4	98.5
25°	91.1	92.1	93.2	94.4	95.5	97.3	98.4	99.0	99.2	99.2	99.2
22.5°	93.4	94.4	95.1	95.9	98.9	100.0	100.4	100.6	100.5	100.1	99.9
20°	95.8	96.6	98.2	100.7	102.7	103.2	102.7	102.3	101.8	101.1	100.6
17.5°	98.5	104.5	107.4	106.9	106.8	106.5	105.2	104.0	103.2	102.1	101.3
15°	122.6	122.3	118.7	114.2	111.3	110.0	107.9	105.7	104.7	103.1	102.8
12.5°	158.1	143.9	131.6	122.3	116.1	113.7	110.7	107.4	106.2	105.4	105.2
10°	199.1	168.3	145.8	131.0	121.1	117.4	113.7	111.1	110.3	109.0	107.8
7.5°	244.0	194.7	160.8	140.1	133.1	131.8	126.2	118.9	114.8	112.5	110.4
5°	377.2	341.1	286.7	223.4	184.4	158.4	140.6	127.0	119.3	116.1	112.9
2.5°	886.6	680.6	489.0	321.2	237.6	185.8	155.2	135.3	123.8	119.7	115.5
0°	1400.2	1022.6	692.5	419.0	290.7	213.0	169.6	143.4	128.2	123.2	118.1
-2.5°	1954.0	1504.1	1129.5	731.0	466.3	322.4	239.1	181.2	148.6	134.7	126.0
-5°	2486.4	1970.9	1545.8	1026.8	634.4	428.0	305.9	217.7	168.4	146.0	133.8
-7.5°	3037.8	2401.7	1883.5	1283.8	790.1	526.8	368.0	251.8	187.2	156.9	141.4
-10°	3545.3	2775.6	2107.2	1439.7	930.4	631.4	427.7	282.6	204.7	167.4	148.8
-12.5°	3982.2	3086.6	2286.5	1570.7	1057.1	739.1	507.4	331.1	223.3	177.2	155.8
-15°	4335.9	3321.6	2414.5	1674.3	1168.7	834.1	577.9	383.9	260.6	193.0	162.4
-17.5°	4544.6	3469.7	2485.2	1748.1	1263.5	914.7	637.6	429.2	293.4	215.7	173.4
-20°	4474.1	3472.1	2505.2	1790.1	1340.4	979.3	685.5	466.1	321.1	235.8	187.2



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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°	4363.7	3395.5	2524.6	1853.1	1402.4	1026.3	720.3	493.7	343.0	253.1	199.6
-25°	4214.3	3298.9	2519.3	1911.3	1448.9	1062.5	746.7	511.1	358.6	267.2	210.4
-27.5°	4065.9	3205.6	2493.0	1939.7	1476.7	1080.7	764.8	528.9	370.6	277.8	219.4
-30°	3914.3	3151.6	2487.5	1942.3	1482.7	1089.4	768.6	538.0	382.8	287.3	226.6
-32.5°	3823.1	3076.7	2458.5	1930.2	1475.7	1083.1	768.1	537.4	390.0	295.4	232.8
-35°	3752.1	3011.0	2395.5	1891.9	1452.0	1079.3	769.0	526.9	391.8	300.8	237.9
-37.5°	3620.9	2921.0	2326.9	1835.6	1407.9	1062.6	767.3	532.9	388.2	303.3	241.5
-40°	3465.0	2801.6	2241.7	1765.4	1367.9	1033.0	752.6	534.9	386.0	302.8	243.7
-42.5°	3260.4	2668.6	2141.9	1674.8	1320.7	1001.6	726.7	525.5	387.2	302.5	244.4
-45°	3068.8	2510.8	2019.6	1609.2	1260.1	955.0	701.9	506.8	382.2	301.5	245.0
-47.5°	2847.8	2340.9	1897.7	1521.3	1188.3	896.9	663.1	491.3	370.5	298.7	246.2
-50°	2623.5	2164.4	1770.0	1412.2	1096.4	833.3	616.3	467.0	362.6	293.2	246.3
-52.5°	2406.6	1989.7	1616.8	1280.8	997.8	753.7	574.6	436.0	350.5	288.6	245.3
-55°	2183.2	1784.9	1438.1	1142.9	886.4	683.2	522.8	414.4	334.2	283.7	243.5
-57.5°	1925.3	1554.5	1258.1	996.0	781.3	607.3	479.2	387.8	322.4	276.9	241.5
-60°	1648.1	1340.6	1070.7	858.1	676.6	537.3	439.5	361.8	310.7	269.1	237.6
-62.5°	1387.4	1119.7	901.9	719.8	581.4	477.2	398.6	343.8	297.0	262.6	232.7
-65°	1133.6	918.1	729.1	603.1	496.3	418.6	371.7	323.3	286.5	255.3	227.5
-67.5°	883.2	734.5	595.7	489.2	428.1	381.6	341.4	307.8	276.2	247.3	223.0
-70°	702.5	575.0	482.0	424.9	380.8	344.7	321.3	294.2	265.2	241.3	218.0
-72.5°	554.8	480.0	414.5	367.9	345.5	323.8	302.9	280.8	257.8	235.1	212.7
-75°	445.8	404.2	368.8	341.0	321.3	302.8	288.5	272.0	250.1	228.5	209.2
-77.5°	394.6	364.0	336.4	316.6	303.3	290.2	277.3	262.8	242.8	224.1	206.0
-80°	353.8	334.5	316.6	300.9	289.0	277.4	266.9	255.4	237.3	219.7	202.6
-82.5°	323.4	310.7	299.0	288.0	278.3	268.6	258.7	248.3	231.5	215.0	199.3
-85°	305.3	295.8	286.7	277.9	268.8	259.6	250.7	241.6	226.4	211.3	196.4
-87.5°	289.4	282.5	275.7	269.1	260.8	252.6	244.3	236.0	221.7	207.5	193.3
-90°	65.6	68.6	71.7	74.7	77.2	79.7	82.3	84.8	86.8	88.9	90.9



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	176.7	160.5	144.4	128.2	112.1	106.0	99.9
87.5°	92.9	94.4	95.9	97.4	98.9	99.4	99.9
85°	92.9	94.4	95.9	97.4	98.9	99.4	99.9
82.5°	93.0	94.5	96.0	97.4	98.9	99.4	99.9
80°	93.0	94.5	96.0	97.5	98.9	99.4	99.9
77.5°	93.1	94.6	96.0	97.5	98.9	99.4	99.9
75°	93.2	94.6	96.1	97.6	98.9	99.4	99.9
72.5°	93.3	94.7	96.2	97.6	98.9	99.4	99.9
70°	93.4	94.8	96.3	97.7	99.0	99.4	99.9
67.5°	93.6	95.0	96.3	97.7	99.0	99.4	99.9
65°	93.7	95.1	96.5	97.8	99.0	99.4	99.9
62.5°	93.9	95.2	96.6	97.9	99.0	99.5	99.9
60°	94.1	95.4	96.7	98.0	99.0	99.5	99.9
57.5°	94.3	95.5	96.8	98.1	99.1	99.5	99.9
55°	94.5	95.7	97.0	98.2	99.1	99.5	99.9
52.5°	94.7	95.9	97.1	98.3	99.2	99.5	99.9
50°	94.9	96.1	97.3	98.4	99.2	99.5	99.9
47.5°	95.2	96.3	97.5	98.6	99.3	99.5	99.9
45°	95.6	96.6	97.6	98.7	99.3	99.5	99.9
42.5°	95.9	96.8	97.8	98.9	99.4	99.6	99.9
40°	96.3	97.0	98.0	99.0	99.5	99.6	99.9
37.5°	96.8	97.3	98.2	99.1	99.5	99.6	99.9
35°	97.2	97.6	98.4	99.3	99.6	99.6	99.9
32.5°	97.7	98.0	98.7	99.5	99.7	99.6	99.9
30°	98.2	98.4	98.9	99.7	99.8	99.6	99.9
27.5°	98.7	98.8	99.3	99.9	99.9	99.7	99.9
25°	99.3	99.2	99.8	100.2	100.0	99.7	99.9
22.5°	99.8	99.8	100.3	100.4	100.1	99.7	99.9
20°	100.4	100.7	100.9	100.7	100.2	99.7	99.9
17.5°	101.6	101.7	101.5	101.0	100.3	99.7	99.9
15°	103.3	102.7	102.1	101.3	100.4	99.8	99.9
12.5°	105.0	103.8	102.7	101.6	100.5	99.8	99.9
10°	106.8	104.8	103.4	101.9	100.6	99.8	99.9
7.5°	108.7	105.9	104.1	102.2	100.7	99.8	99.9
5°	110.5	106.9	104.7	102.4	100.8	99.9	99.9
2.5°	112.3	108.0	105.4	102.7	100.9	99.9	99.9
0°	114.1	109.0	106.0	103.0	101.0	99.9	99.9
-2.5°	119.7	112.5	108.1	104.4	101.8	100.2	99.9
-5°	125.3	115.8	110.2	105.8	102.6	100.6	99.9
-7.5°	130.6	119.1	112.3	107.1	103.3	100.9	99.9
-10°	135.7	122.3	114.2	108.4	104.1	101.2	99.9
-12.5°	140.4	125.4	116.2	109.7	104.8	101.5	99.9
-15°	144.8	128.2	118.0	110.9	105.6	101.9	99.9
-17.5°	148.8	130.9	119.8	112.1	106.3	102.2	99.9
-20°	154.3	133.3	121.5	113.3	107.0	102.5	99.9



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	162.5	135.5	123.1	114.4	107.6	102.8	99.9
-25°	169.9	140.1	124.5	115.4	108.2	103.1	99.9
-27.5°	176.4	145.4	125.9	116.3	108.8	103.3	99.9
-30°	182.0	150.3	127.4	117.2	109.4	103.6	99.9
-32.5°	186.6	154.6	130.8	118.0	109.9	103.9	99.9
-35°	191.3	158.5	133.9	118.8	110.4	104.1	99.9
-37.5°	195.6	162.0	136.7	119.4	110.8	104.3	99.9
-40°	199.2	165.3	139.2	120.0	111.3	104.6	99.9
-42.5°	201.9	168.1	141.5	120.9	111.6	104.8	99.9
-45°	203.9	170.3	143.4	122.3	112.0	105.0	99.9
-47.5°	205.1	172.1	145.1	123.6	112.3	105.1	99.9
-50°	206.1	173.2	146.5	124.9	112.5	105.3	99.9
-52.5°	206.5	173.9	147.5	126.0	112.7	105.5	99.9
-55°	206.2	174.4	148.2	127.0	112.9	105.6	99.9
-57.5°	205.1	174.5	148.7	127.9	113.0	105.7	99.9
-60°	203.4	174.1	148.8	128.6	113.1	105.8	99.9
-62.5°	201.8	173.4	149.3	129.1	113.2	105.9	99.9
-65°	199.6	172.1	149.6	129.5	113.3	106.0	99.9
-67.5°	196.9	171.2	149.7	129.8	113.3	106.1	99.9
-70°	193.6	170.7	149.6	130.0	113.3	106.1	99.9
-72.5°	191.8	169.9	149.3	130.1	113.3	106.1	99.9
-75°	190.1	168.9	148.8	130.2	113.2	106.2	99.9
-77.5°	188.0	167.6	148.4	130.1	113.1	106.2	99.9
-80°	185.6	166.4	147.9	130.0	112.9	106.2	99.9
-82.5°	183.7	165.2	147.2	129.7	112.8	106.1	99.9
-85°	181.5	163.8	146.4	129.3	112.6	106.1	99.9
-87.5°	179.2	162.3	145.5	128.8	112.3	106.1	99.9
-90°	92.9	94.4	95.9	97.4	98.9	99.4	99.9

(END OF REPORT)