

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: P1212195 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS12-1000R-57-80-1S-ECV**

Issue Date: 11/14/2025

Test Information

Test Method: LM-79-08
Report Number: P1212195 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2509-549-19)
Test Lab: INNOVATION CENTER
Issue Date: 11/14/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: EPHESUS
Catalog Number: EPH-LS12-1000R-57-80-1S-ECV
Description: EPHESUS LS12 LUMINAIRE
(12) 5700K, 80 CRI LEDS AND 1S BEAM SHAPE WITH EXTREME CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

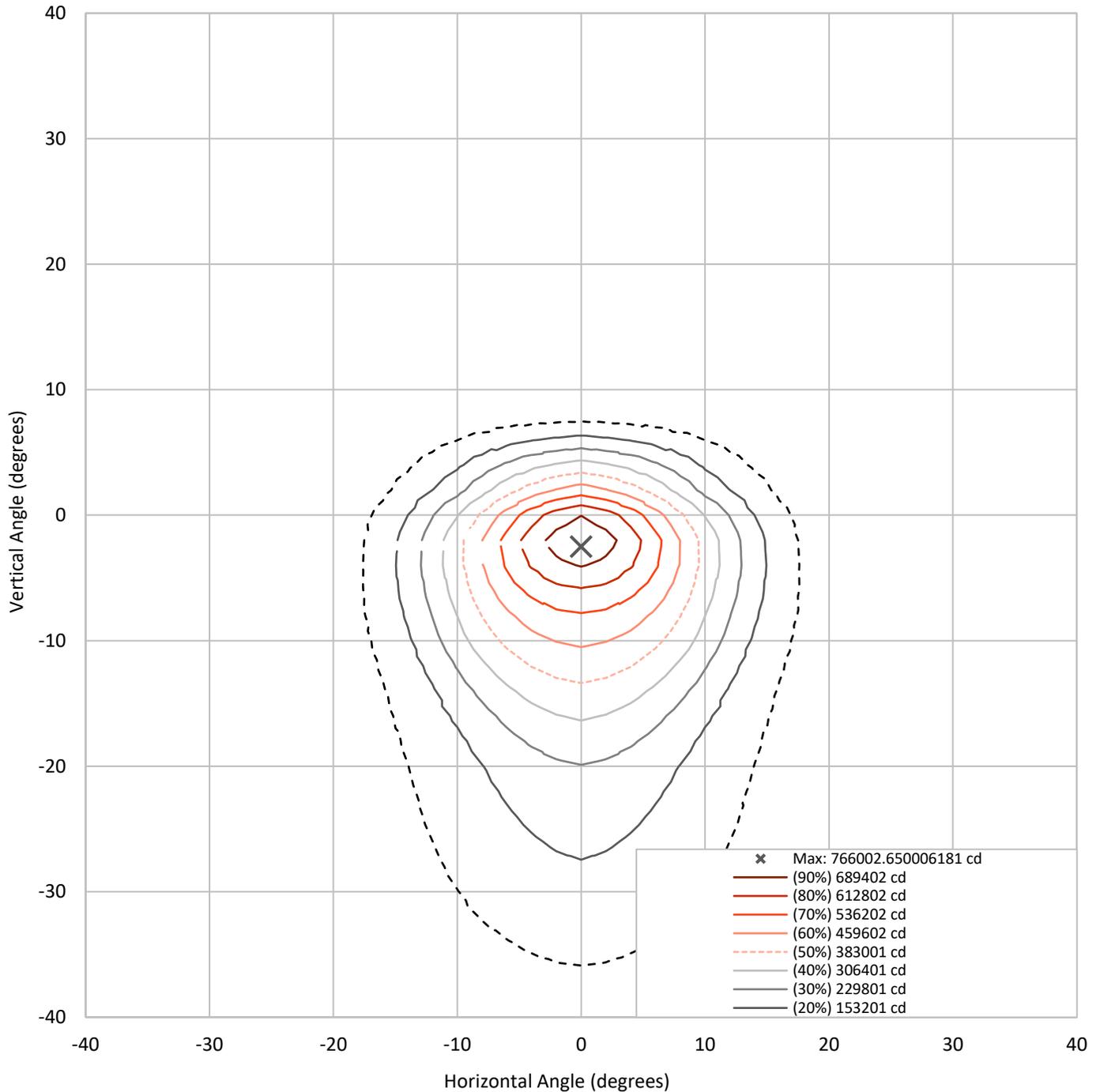
Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	116012 lumens	Max Intensity:	766002.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -2.5°V
Efficacy:	105.3 lumens/watt		
Luminous Opening:	Rectangular (W 1.83' x L: 0.79' x H: 0')		
Beam Angle (50%):	19.5°H x 16.7°V	Field Angle (10%):	34.9°H x 43.1°V
Beam Lumens:	38788.1 lumens	Field Lumens:	87290.7 lumens
Beam Efficiency:	33.4%	Field Efficiency:	75.2%

Input Watts (W): 1101.3
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-57-80-1S-ECV

Iso-Candela Plot





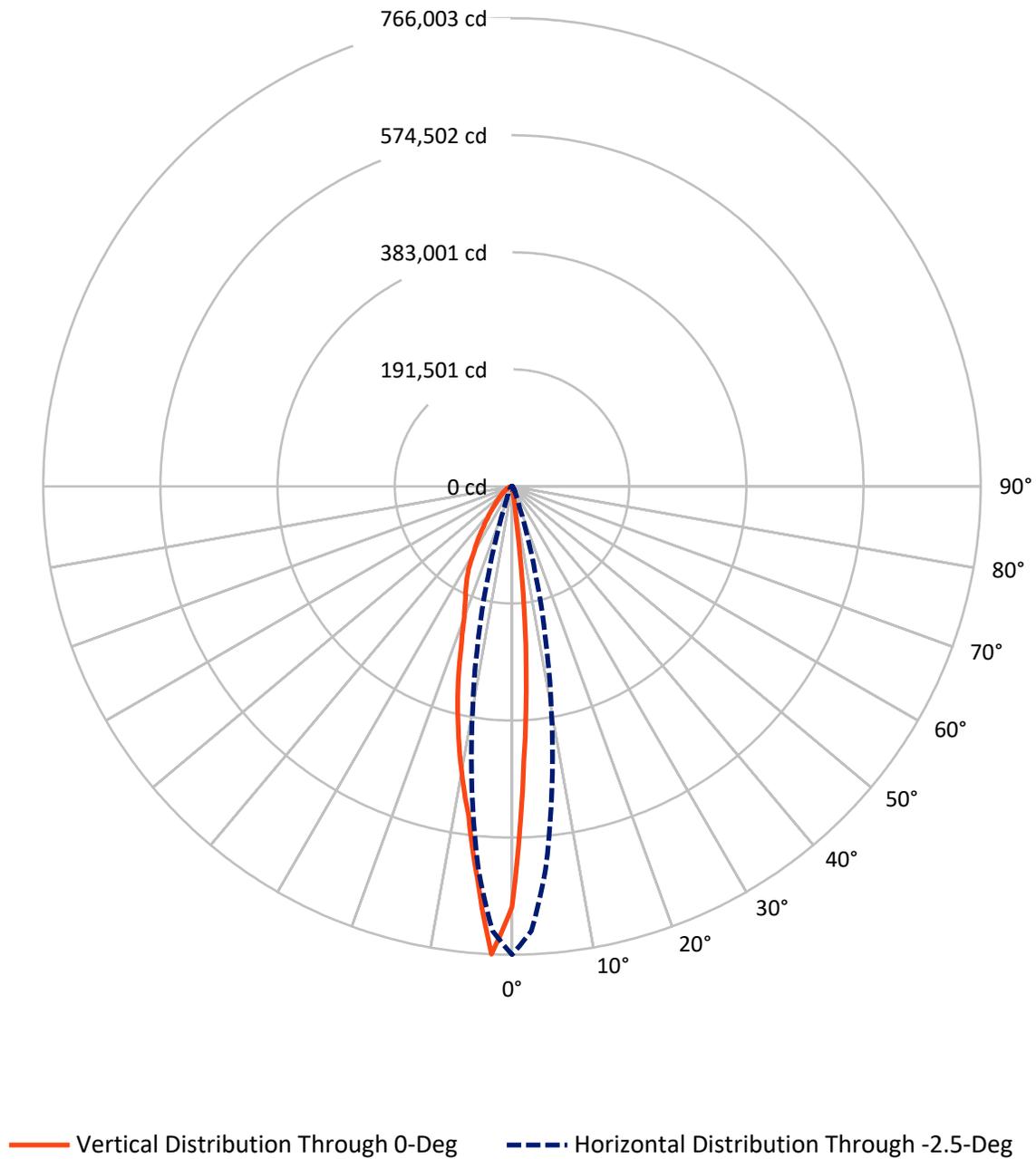
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Lumen Table

90	1.8	5.1		6.9		7.6		8.0		7.6		6.9		5.1		1.8
80	1.8	1.0	1.2	1.2	1.1	0.9	0.5	0.2	0.2	0.5	0.9	1.1	1.2	1.2	1.0	1.8
70	1.8	1.0	1.2	1.3	1.2	1.0	0.6	0.2	0.2	0.6	1.0	1.2	1.3	1.2	1.0	1.8
60		1.0	1.3	1.4	1.4	1.1	0.7	0.2	0.2	0.7	1.1	1.4	1.4	1.3	1.0	
50	1.8	1.1	1.4	1.6	1.5	1.3	0.9	0.3	0.3	0.9	1.3	1.5	1.6	1.4	1.1	1.8
40		1.1	1.5	1.8	1.9	2.0	1.6	0.7	0.7	1.6	2.0	1.9	1.8	1.5	1.1	
30	1.9	1.3	1.9	2.8	3.9	6.1	5.6	6.1	6.1	5.6	6.1	3.9	2.8	1.9	1.3	1.9
20		1.6	4.2	14.2	43.1	154.7	1545.7	6316.0	6316.0	1545.7	154.7	43.1	14.2	4.2	1.6	
10	2.2	2.9	17.1	62.2	178.5	548.8	4570.6	15727.7	15727.7	4570.6	548.8	178.5	62.2	17.1	2.9	2.2
0		5.2	30.3	109.1	266.7	659.7	2790.3	8629.2	8629.2	2790.3	659.7	266.7	109.1	30.3	5.2	
-10	2.9	6.9	33.2	108.6	273.5	632.1	1757.4	4386.7	4386.7	1757.4	632.1	273.5	108.6	33.2	6.9	2.9
-20		7.2	31.6	90.5	235.5	524.0	1146.6	2228.6	2228.6	1146.6	524.0	235.5	90.5	31.6	7.2	
-30	3.5	6.8	27.0	73.7	168.7	357.2	695.1	1045.3	1045.3	695.1	357.2	168.7	73.7	27.0	6.8	3.5
-40		5.6	20.2	53.6	114.7	218.3	384.2	522.8	522.8	384.2	218.3	114.7	53.6	20.2	5.6	
-50	3.6	4.4	12.3	31.9	65.2	117.0	187.4	238.6	238.6	187.4	117.0	65.2	31.9	12.3	4.4	3.6
-60		3.2	20.1		66.5		179.6		274.3		179.6		66.5		20.1	
-70	3.2	20.1		66.5		179.6		274.3		179.6		66.5		20.1		3.2
-80	3.2	20.1		66.5		179.6		274.3		179.6		66.5		20.1		3.2
-90	3.2	20.1		66.5		179.6		274.3		179.6		66.5		20.1		3.2

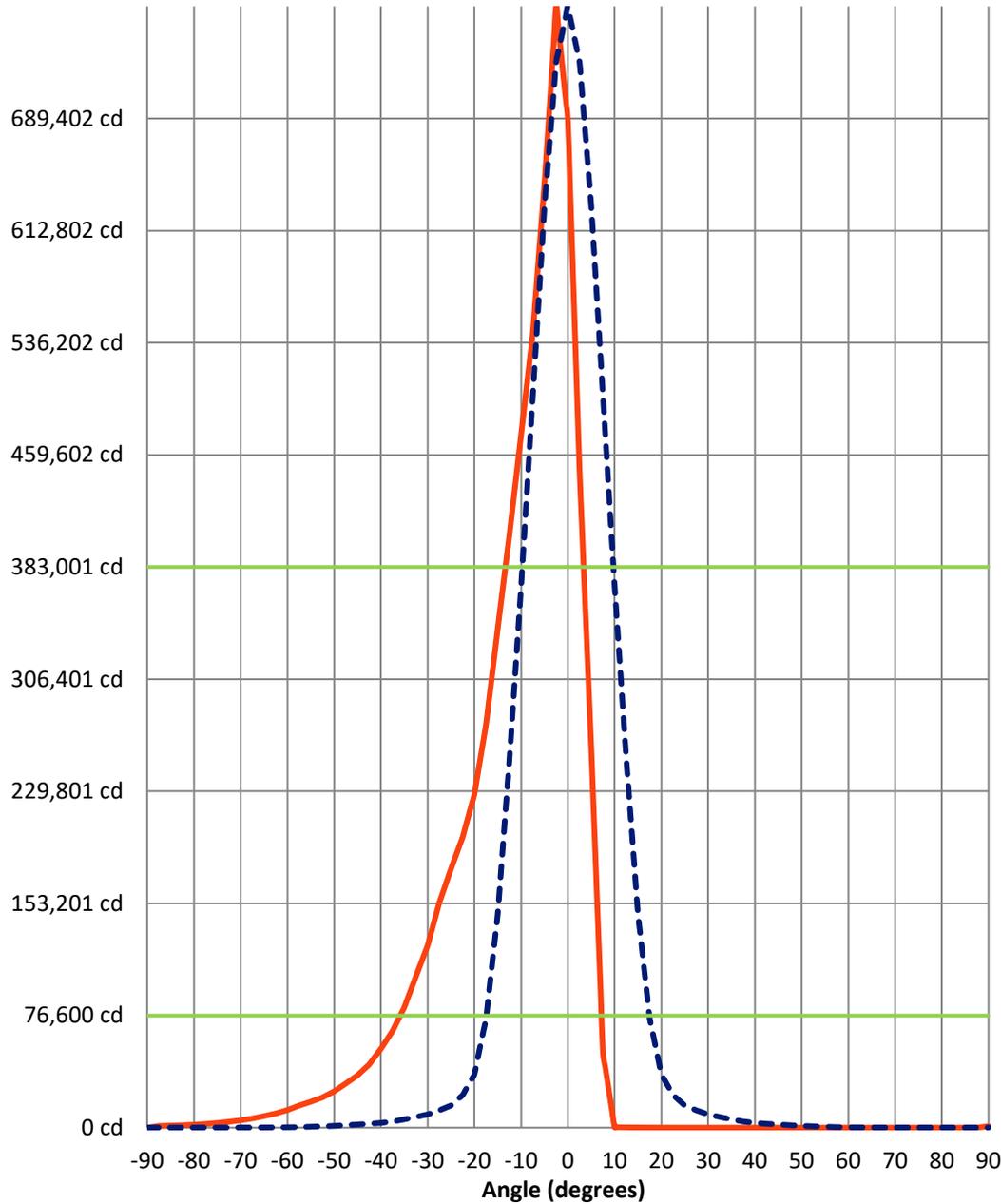
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
H Angle: 19.5°
V Angle: 16.7°
Lumens: 38788.1
Efficiency: 33.4%

Field:
H Angle: 34.9°
V Angle: 43.1°
Lumens: 87290.7
Efficiency: 75.2%

Spill:
Lumens: 28721.4
Efficiency: 24.8%

— 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°	88.1	93.3	98.6	112.7	126.8	141.0	155.1	179.0	202.9	226.9	250.8
87.5°	88.1	87.6	87.1	85.9	84.7	83.5	82.3	80.6	79.0	77.3	75.6
85°	88.1	87.6	87.1	85.9	84.7	83.5	82.3	80.7	79.0	77.3	75.7
82.5°	88.1	87.6	87.1	85.9	84.7	83.5	82.4	80.7	79.1	77.4	75.7
80°	88.1	87.6	87.1	86.0	84.8	83.6	82.4	80.8	79.1	77.5	75.8
77.5°	88.1	87.6	87.1	86.0	84.8	83.6	82.5	80.9	79.2	77.6	76.0
75°	88.1	87.6	87.1	86.0	84.9	83.7	82.5	81.0	79.4	77.7	76.1
72.5°	88.1	87.6	87.1	86.1	84.9	83.8	82.6	81.1	79.5	77.9	76.3
70°	88.1	87.6	87.2	86.1	85.0	83.9	82.7	81.3	79.7	78.1	76.5
67.5°	88.1	87.6	87.2	86.2	85.1	83.9	82.8	81.5	79.9	78.3	76.7
65°	88.1	87.6	87.2	86.2	85.1	84.0	82.9	81.7	80.1	78.6	77.0
62.5°	88.1	87.7	87.2	86.3	85.2	84.2	83.1	81.9	80.4	78.8	77.3
60°	88.1	87.7	87.2	86.4	85.3	84.3	83.2	82.1	80.6	79.1	77.6
57.5°	88.1	87.7	87.3	86.5	85.4	84.4	83.4	82.4	80.9	79.4	78.0
55°	88.1	87.7	87.3	86.5	85.6	84.6	83.6	82.5	81.2	79.8	78.3
52.5°	88.1	87.7	87.4	86.6	85.7	84.7	83.7	82.8	81.6	80.2	78.7
50°	88.1	87.7	87.5	86.7	85.8	84.9	83.9	83.0	81.9	80.6	79.3
47.5°	88.1	87.7	87.5	86.8	85.9	85.0	84.1	83.4	82.3	81.0	80.0
45°	88.1	87.7	87.6	86.9	86.1	85.2	84.4	83.7	82.7	81.7	80.8
42.5°	88.1	87.8	87.7	87.1	86.2	85.4	84.8	84.1	83.1	82.4	81.4
40°	88.1	87.8	87.8	87.2	86.4	85.6	85.1	84.5	83.6	83.2	82.0
37.5°	88.1	87.8	87.9	87.4	86.6	85.8	85.5	84.9	84.4	84.0	82.6
35°	88.1	87.8	88.0	87.6	86.7	86.1	85.9	85.4	85.3	84.8	83.3
32.5°	88.1	87.8	88.2	87.8	86.9	86.4	86.3	85.8	86.2	85.5	84.3
30°	88.1	87.8	88.3	88.1	87.1	86.7	86.7	86.4	87.1	86.4	85.5
27.5°	88.1	87.9	88.4	88.4	87.6	87.1	87.1	87.2	88.0	87.3	86.9
25°	88.1	87.9	88.6	88.6	88.2	87.4	87.6	88.0	88.8	88.4	88.5
22.5°	88.1	87.9	88.7	88.9	88.8	88.0	88.0	88.9	89.6	89.7	90.3
20°	88.1	87.9	88.9	89.3	89.5	89.1	88.5	89.7	90.5	91.1	92.2
17.5°	88.1	87.9	89.0	89.6	90.2	90.2	89.8	90.6	91.4	92.6	94.2
15°	88.1	88.0	89.2	89.9	91.0	91.4	91.6	92.2	92.3	94.1	96.3
12.5°	88.1	88.0	89.3	90.2	91.7	92.6	93.5	94.9	94.7	95.7	98.4
10°	88.1	88.0	89.4	90.6	92.5	93.8	95.5	97.6	98.4	100.3	102.4
7.5°	88.1	88.0	89.6	90.9	93.3	95.0	97.5	100.3	102.3	105.4	110.6
5°	88.1	88.1	89.7	91.2	94.1	96.2	99.5	103.0	106.1	110.5	119.1
2.5°	88.1	88.1	89.9	91.6	94.9	97.4	101.4	105.6	110.0	115.6	127.6
0°	88.1	88.1	90.0	91.9	95.7	98.6	103.4	108.2	113.9	120.6	136.0
-2.5°	88.1	88.4	90.7	93.1	97.5	101.2	108.0	114.9	124.1	136.7	165.6
-5°	88.1	88.7	91.3	94.3	99.3	103.8	112.5	121.6	134.1	152.5	194.1
-7.5°	88.1	89.0	92.0	95.4	101.1	106.4	116.7	128.0	143.7	167.5	220.7
-10°	88.1	89.3	92.6	96.5	102.8	108.8	120.8	134.1	152.8	181.6	244.7
-12.5°	88.1	89.5	93.2	97.6	104.4	111.2	124.6	139.9	161.3	197.5	290.4
-15°	88.1	89.8	93.8	98.7	106.0	113.5	128.0	145.3	175.1	232.7	342.2
-17.5°	88.1	90.1	94.4	99.7	107.5	115.6	131.1	154.8	195.0	263.5	386.5
-20°	88.1	90.4	94.9	100.7	108.9	117.7	135.6	166.9	212.8	289.3	422.2



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 CATALOG NUMBER: EPH-LS12-1000R-57-80-1S-ECV

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	88.1	90.6	95.5	101.6	110.1	119.6	142.8	177.6	228.0	309.3	448.4
-25°	88.1	90.9	96.0	102.4	111.3	123.9	149.3	186.9	240.5	323.2	464.3
-27.5°	88.1	91.1	96.4	103.2	112.4	128.9	155.0	194.4	249.9	333.2	480.6
-30°	88.1	91.4	96.9	104.0	113.5	133.4	159.9	200.2	258.0	344.0	488.0
-32.5°	88.1	91.6	97.3	104.6	116.4	137.5	163.9	205.5	264.6	350.4	485.7
-35°	88.1	91.8	97.7	105.2	119.0	141.2	168.3	210.0	268.5	352.2	473.4
-37.5°	88.1	92.0	98.1	105.7	121.3	144.3	172.5	213.1	269.7	349.4	481.8
-40°	88.1	92.2	98.4	106.2	123.3	147.0	175.9	215.0	268.2	346.6	488.6
-42.5°	88.1	92.4	98.7	106.9	125.1	149.2	178.6	215.6	267.5	350.1	485.4
-45°	88.1	92.5	98.9	108.2	126.8	151.0	180.6	216.2	266.6	348.6	474.1
-47.5°	88.1	92.7	99.1	109.3	128.3	152.3	181.8	217.4	264.1	341.1	463.6
-50°	88.1	92.8	99.3	110.3	129.4	153.1	182.5	217.6	262.3	337.3	445.5
-52.5°	88.1	93.0	99.5	111.3	130.3	153.4	182.6	216.8	261.1	329.0	421.3
-55°	88.1	93.1	99.6	112.1	130.9	153.8	182.1	215.1	259.5	316.3	403.5
-57.5°	88.1	93.2	99.7	112.8	131.2	153.9	180.9	213.1	256.0	308.4	380.5
-60°	88.1	93.3	99.7	113.4	131.4	153.6	179.2	211.0	251.4	300.7	358.3
-62.5°	88.1	93.4	99.8	113.8	131.7	152.9	177.8	208.2	247.3	290.9	344.9
-65°	88.1	93.4	99.8	114.1	131.9	151.8	175.9	205.1	242.1	283.0	329.3
-67.5°	88.1	93.5	99.9	114.3	131.9	151.0	173.5	202.6	236.0	274.9	316.7
-70°	88.1	93.5	99.8	114.4	131.7	150.4	170.6	199.6	232.2	265.6	304.9
-72.5°	88.1	93.5	99.8	114.5	131.3	149.5	168.9	196.1	227.8	260.2	293.2
-75°	88.1	93.5	99.7	114.5	130.8	148.4	167.1	193.8	222.9	254.3	286.1
-77.5°	88.1	93.5	99.6	114.5	130.4	147.1	165.1	191.7	219.9	248.6	278.4
-80°	88.1	93.5	99.4	114.3	129.9	146.0	162.7	189.2	216.8	244.7	272.9
-82.5°	88.1	93.5	99.3	114.0	129.3	145.0	161.0	186.6	213.2	240.3	267.6
-85°	88.1	93.5	99.1	113.7	128.6	143.8	159.2	184.4	210.1	236.0	262.1
-87.5°	88.1	93.4	98.8	113.2	127.8	142.5	157.2	181.9	206.7	231.6	256.7
-90°	88.1	87.6	87.1	85.9	84.7	83.5	82.3	80.6	79.0	77.3	75.6



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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°	272.6	294.4	316.2	338.0	355.5	373.0	390.4	407.9	429.2	450.5	471.8
87.5°	73.2	70.9	68.5	66.1	63.3	60.4	57.5	54.6	51.5	48.4	45.3
85°	73.3	70.9	68.6	66.2	63.3	60.5	57.6	54.7	51.6	48.5	45.4
82.5°	73.4	71.1	68.7	66.3	63.5	60.6	57.8	54.9	51.8	48.7	45.5
80°	73.6	71.2	68.9	66.5	63.7	60.8	58.0	55.1	52.0	48.9	45.8
77.5°	73.8	71.4	69.1	66.7	64.0	61.1	58.3	55.4	52.3	49.2	46.1
75°	74.0	71.7	69.3	67.0	64.3	61.5	58.6	55.7	52.7	49.6	46.4
72.5°	74.3	72.0	69.6	67.3	64.7	61.9	59.0	56.2	53.2	50.0	46.9
70°	74.6	72.3	70.0	67.7	65.2	62.4	59.5	56.6	53.7	50.6	47.4
67.5°	74.9	72.7	70.4	68.1	65.7	62.9	60.1	57.2	54.3	51.2	48.0
65°	75.4	73.1	70.8	68.6	66.3	63.5	60.7	57.8	55.0	51.8	48.7
62.5°	75.7	73.6	71.4	69.1	66.8	64.2	61.4	58.5	55.7	52.6	49.4
60°	76.1	74.1	71.9	69.7	67.4	64.9	62.2	59.3	56.5	53.5	50.3
57.5°	76.5	74.7	72.5	70.3	68.1	65.8	63.0	60.2	57.3	54.4	51.2
55°	76.9	75.3	73.2	71.0	68.8	66.6	63.9	61.1	58.3	55.4	52.3
52.5°	77.5	75.9	73.9	71.7	69.6	67.4	64.9	62.2	59.3	56.4	53.4
50°	78.1	76.5	74.6	72.6	70.5	68.4	66.0	63.3	60.5	57.6	54.7
47.5°	78.7	77.1	75.4	73.5	71.7	69.4	67.0	64.5	61.7	59.0	56.0
45°	79.3	77.8	76.2	74.8	72.8	70.3	68.1	65.8	63.4	60.7	57.9
42.5°	79.9	78.4	77.3	76.3	73.6	71.5	69.5	67.6	65.3	62.5	59.5
40°	80.6	79.2	78.4	76.8	74.5	73.0	71.1	69.2	66.9	64.1	60.9
37.5°	81.3	80.3	79.5	77.5	76.1	74.5	72.6	70.8	68.5	65.8	62.8
35°	82.0	81.4	80.4	78.7	77.6	75.9	74.3	72.5	70.1	67.7	65.0
32.5°	83.0	82.6	81.4	80.1	78.9	77.4	76.2	74.2	72.0	69.8	67.8
30°	84.3	83.6	82.7	81.5	80.3	79.3	78.0	76.0	74.3	72.5	70.3
27.5°	86.2	84.9	83.9	82.9	81.9	81.1	79.8	78.4	76.8	75.2	73.2
25°	88.3	87.7	85.1	84.4	83.7	83.1	82.2	81.4	79.7	78.4	76.8
22.5°	90.7	90.8	88.7	86.0	85.5	85.2	85.2	84.9	83.8	82.5	80.9
20°	93.3	94.1	93.2	91.9	88.6	87.6	88.7	88.7	89.3	89.9	88.4
17.5°	96.2	97.7	98.2	99.2	99.5	96.7	92.4	92.8	95.7	99.6	104.5
15°	99.2	101.6	103.8	107.7	112.4	116.6	116.8	107.3	103.9	112.6	125.7
12.5°	102.4	105.7	109.7	117.2	127.1	139.9	151.5	161.5	164.7	152.8	155.2
10°	105.6	109.9	115.9	127.3	143.0	165.8	190.8	225.2	261.0	296.8	319.9
7.5°	117.7	123.6	127.8	137.9	159.8	193.4	233.4	295.6	368.0	459.2	553.2
5°	131.4	148.1	170.8	205.4	250.0	305.4	345.5	373.6	481.2	632.7	804.2
2.5°	145.2	173.2	215.3	283.7	389.6	553.6	755.2	964.1	1171.4	1437.6	1723.5
0°	158.9	198.2	259.5	361.9	529.5	803.3	1169.0	1559.6	1977.1	2540.0	3217.9
-2.5°	219.4	288.8	409.4	658.1	960.2	1253.4	1708.1	2175.6	2647.7	3274.0	4212.8
-5°	277.2	376.4	552.9	937.9	1372.9	1693.8	2223.8	2767.4	3341.1	4106.9	5284.2
-7.5°	330.5	458.9	685.4	1179.5	1718.7	2122.8	2765.4	3469.1	4230.5	5167.4	6445.9
-10°	382.0	554.1	823.8	1333.1	1965.3	2516.7	3263.9	4113.4	5039.6	6135.4	7503.9
-12.5°	457.8	658.8	951.1	1462.4	2162.9	2860.7	3690.2	4686.0	5748.1	6991.1	8327.6
-15°	525.1	752.4	1061.2	1564.9	2302.6	3144.3	4031.6	5175.1	6239.2	7358.3	8593.8
-17.5°	582.7	833.2	1151.8	1638.7	2376.4	3358.2	4219.3	5308.7	6418.6	7563.3	8817.0
-20°	629.4	899.9	1221.1	1681.8	2391.4	3359.0	4157.6	5224.5	6457.1	7706.9	8931.6



REPORT NUMBER: P1212195 (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°	664.2	951.0	1278.4	1740.2	2382.9	3219.4	4058.3	5026.6	6338.1	7783.1	9060.9
-25°	690.8	987.1	1330.0	1772.6	2350.7	3074.1	3907.5	4740.4	6053.1	7648.8	9203.6
-27.5°	707.7	1006.9	1361.9	1784.3	2305.8	2949.2	3725.7	4534.7	5699.3	7334.6	9159.5
-30°	709.9	1014.5	1372.6	1782.5	2287.3	2880.4	3548.6	4378.0	5289.9	6806.9	8627.0
-32.5°	706.2	1008.0	1367.1	1776.7	2256.8	2801.7	3441.7	4251.2	5114.6	6070.9	7862.3
-35°	704.5	1000.1	1345.2	1744.9	2204.3	2739.0	3365.5	4093.2	4932.6	5755.1	7072.4
-37.5°	703.3	980.8	1305.1	1694.4	2142.9	2658.1	3242.9	3933.7	4713.3	5622.3	6655.9
-40°	691.5	950.1	1265.6	1630.8	2058.5	2550.7	3109.7	3741.3	4470.8	5405.4	6446.4
-42.5°	671.4	924.7	1218.9	1549.0	1967.2	2428.9	2938.0	3533.7	4247.7	5115.2	6090.1
-45°	655.5	887.3	1162.3	1486.5	1860.4	2290.9	2771.5	3298.2	3993.6	4763.8	5662.0
-47.5°	627.5	841.6	1105.5	1405.0	1752.3	2148.0	2585.2	3111.7	3705.3	4408.6	5171.1
-50°	591.9	792.8	1035.8	1319.4	1636.8	1997.1	2402.2	2900.0	3453.5	4046.1	4719.0
-52.5°	559.0	730.1	960.8	1223.3	1515.8	1841.7	2225.3	2675.7	3179.5	3722.9	4321.8
-55°	517.2	674.3	873.8	1117.5	1388.5	1684.4	2035.6	2443.8	2881.9	3379.5	3929.0
-57.5°	479.9	614.0	789.7	999.9	1249.3	1524.5	1847.2	2199.1	2597.4	3025.7	3511.5
-60°	443.6	555.5	703.8	886.7	1096.5	1353.8	1643.6	1960.6	2304.4	2671.8	3091.1
-62.5°	406.2	502.0	622.4	770.9	954.9	1171.4	1429.4	1709.6	2006.3	2327.9	2671.1
-65°	385.8	450.0	546.0	668.5	807.8	996.8	1212.2	1449.6	1712.4	1976.5	2259.1
-67.5°	362.1	418.4	484.1	565.9	687.2	833.0	989.0	1189.6	1407.9	1624.5	1847.8
-70°	345.1	385.5	439.4	503.6	580.7	686.0	821.5	965.2	1118.4	1291.1	1486.3
-72.5°	328.7	366.0	405.1	445.8	511.0	592.8	681.9	777.8	901.2	1045.5	1191.3
-75°	316.3	345.8	380.8	417.8	463.6	516.9	576.1	654.7	749.5	854.8	962.6
-77.5°	307.1	335.3	363.9	392.7	429.2	475.0	523.4	574.2	640.5	715.4	793.9
-80°	298.6	324.2	351.3	378.7	410.1	444.2	480.4	518.5	569.5	627.6	690.5
-82.5°	292.1	316.6	341.3	366.3	392.4	419.2	447.2	477.8	519.4	563.8	610.0
-85°	285.3	308.4	331.9	355.5	378.9	402.8	427.1	451.8	483.6	516.6	550.4
-87.5°	279.2	301.6	324.1	346.5	366.9	387.5	408.3	429.3	455.0	481.0	507.2
-90°	73.2	70.9	68.5	66.1	63.2	60.4	57.5	54.6	51.5	48.4	45.2



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	493.1	525.9	558.7	591.4	624.2	669.2	714.2	759.2	804.2	848.0	891.8
87.5°	42.1	39.0	35.9	32.8	29.7	26.6	23.5	20.3	17.2	14.6	12.0
85°	42.2	39.1	36.0	32.9	29.8	26.7	23.5	20.4	17.3	14.4	11.5
82.5°	42.4	39.3	36.2	33.1	29.9	26.8	23.6	20.5	17.4	14.4	11.5
80°	42.6	39.5	36.4	33.2	30.1	27.0	23.8	20.6	17.5	14.5	11.6
77.5°	42.9	39.7	36.5	33.2	29.9	26.6	23.3	20.1	16.9	14.0	11.3
75°	43.3	40.0	36.6	33.4	30.1	26.9	23.7	20.3	17.0	14.1	11.4
72.5°	43.7	40.5	37.4	34.2	31.0	27.7	24.4	21.1	17.9	14.9	11.9
70°	44.2	41.0	37.8	34.6	31.4	28.1	24.7	21.3	17.8	14.6	11.7
67.5°	44.8	41.6	38.4	35.2	31.9	28.6	25.0	21.5	17.9	14.7	11.9
65°	45.5	42.2	39.0	35.7	32.5	28.9	25.3	21.7	18.2	15.0	12.1
62.5°	46.2	43.0	39.6	36.1	32.4	28.7	25.4	22.0	18.5	15.2	12.0
60°	47.0	43.8	40.3	36.8	33.1	29.5	26.0	22.5	19.0	15.6	12.5
57.5°	48.0	44.7	41.3	37.7	34.0	30.3	26.6	23.1	19.6	16.0	12.9
55°	49.0	45.7	42.3	38.7	34.9	31.1	27.4	23.8	20.2	16.5	13.3
52.5°	50.1	46.8	43.4	39.8	36.0	32.1	28.3	24.6	20.8	17.1	13.7
50°	51.4	48.1	44.7	41.0	37.2	33.3	29.3	25.4	21.6	17.7	14.1
47.5°	53.1	49.9	46.1	42.4	38.5	34.5	30.4	26.4	22.5	18.5	14.6
45°	55.0	51.1	47.4	43.8	40.0	35.9	31.7	27.5	23.4	19.3	15.2
42.5°	56.0	52.5	49.0	45.4	41.6	37.4	33.1	28.7	24.5	20.2	15.9
40°	57.6	54.3	50.8	47.1	43.3	39.1	34.8	30.2	25.8	21.4	16.7
37.5°	59.6	56.3	53.0	49.5	45.4	41.1	36.7	32.4	28.0	22.9	17.8
35°	62.1	58.9	55.7	51.8	47.7	43.3	38.9	34.3	28.8	24.2	19.1
32.5°	64.8	61.6	58.2	54.6	50.6	46.5	41.8	37.7	32.7	27.9	23.0
30°	67.4	64.6	62.0	58.5	54.8	51.5	47.9	44.8	41.2	36.3	31.0
27.5°	70.8	69.0	66.9	63.3	61.5	59.6	58.4	56.2	52.4	48.1	37.7
25°	75.2	74.6	71.5	70.6	70.8	71.2	69.8	67.4	58.7	48.4	35.0
22.5°	80.6	79.7	78.7	80.2	82.3	83.8	80.3	73.2	57.2	40.2	30.4
20°	86.2	85.9	89.4	95.6	98.4	102.1	94.3	75.4	55.9	53.1	52.2
17.5°	104.0	96.2	108.3	125.5	134.1	123.1	108.9	84.7	75.4	76.1	73.3
15°	136.6	141.7	153.3	172.0	182.3	166.5	131.8	124.1	117.0	124.2	131.3
12.5°	181.2	211.8	261.2	302.7	245.0	226.2	220.9	205.0	209.8	216.3	230.4
10°	321.3	303.6	416.4	544.3	651.0	705.8	375.4	543.7	711.9	786.7	542.5
7.5°	680.5	921.6	1111.1	1169.6	1285.5	2382.7	3837.4	5457.6	7560.4	15778.3	18298.9
5°	1080.6	1696.3	2337.6	3223.4	3981.5	5760.0	9470.1	22742.9	38533.7	69492.1	114205.7
2.5°	2169.2	3057.0	3967.9	5581.6	7172.0	10100.4	15678.8	34200.9	69532.6	124137.7	181543.5
0°	4258.6	5787.6	7285.0	9867.1	12223.3	17919.9	28690.8	60724.9	117290.9	206592.7	302819.6
-2.5°	5680.8	7351.4	9100.5	11864.7	15191.3	22362.1	36451.5	74873.5	146302.1	251778.9	370231.3
-5°	6945.3	8833.7	10960.7	14012.5	17760.2	24277.1	39020.8	74150.1	144575.5	243101.4	351335.9
-7.5°	8089.8	10144.3	12597.1	15823.6	19855.5	26003.9	40473.2	73369.3	132030.5	218981.0	314953.8
-10°	9147.4	11223.2	13860.0	17072.5	21334.0	27229.9	37363.4	63784.2	111820.2	189026.8	275430.9
-12.5°	9979.6	12096.0	14775.2	17789.6	22026.2	28154.7	37733.0	57693.4	94458.1	148809.2	225221.3
-15°	10483.5	12775.6	15482.6	18615.1	22868.1	28601.9	36555.6	51434.1	79319.6	123722.8	178014.0
-17.5°	10664.3	13130.5	15891.9	19086.4	23005.5	28489.6	36618.1	48508.4	70211.5	105533.2	143662.2
-20°	10547.3	13111.6	15887.8	19077.5	23085.7	28264.5	34958.4	46978.4	65210.0	92007.1	122323.5



REPORT NUMBER: P1212195 (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°	10618.5	12846.2	15578.2	18808.2	22879.7	27650.1	34115.0	44789.7	59492.3	82730.4	108424.5
-25°	10647.0	12398.8	15203.3	18602.9	22356.3	26756.8	33295.3	41324.7	55964.6	75685.7	98803.8
-27.5°	10629.4	12372.0	14767.8	18024.6	21579.5	25926.0	31544.0	38933.5	51633.0	66598.1	87234.7
-30°	10620.6	12407.9	14572.9	17139.4	20726.8	24816.2	29251.6	36773.6	46887.0	59263.0	75762.8
-32.5°	10133.5	12402.4	14300.8	16615.2	19539.1	23269.5	27686.6	34124.6	41775.7	52272.1	65078.9
-35°	9330.2	11678.6	14047.4	16070.3	18471.6	21515.2	25790.4	31093.7	36909.1	45678.7	55333.0
-37.5°	8161.4	10522.7	12933.5	15379.8	17561.9	20009.8	23758.5	28024.8	32962.5	39611.0	46827.1
-40°	7538.8	8926.0	11355.6	13824.3	16190.2	19053.2	22038.0	25312.5	29495.2	34524.4	39762.5
-42.5°	7159.4	8339.2	9647.8	11732.0	14207.5	17138.6	20045.2	23025.3	26625.8	30453.9	34344.7
-45°	6653.8	7800.6	9017.0	10311.4	12000.9	14692.3	17491.6	20410.9	23620.4	26847.4	29790.8
-47.5°	6114.3	7153.3	8268.6	9446.2	11078.7	12933.7	14950.0	17333.8	20216.3	23111.9	25532.6
-50°	5552.6	6470.7	7473.2	8583.6	10006.1	11564.3	13227.9	15268.7	17455.3	19686.8	21380.1
-52.5°	4992.6	5797.9	6663.5	7679.5	8870.4	10151.0	11547.4	13346.7	15184.5	17032.1	18280.7
-55°	4528.5	5175.7	5860.2	6769.1	7755.1	8778.5	9957.9	11453.1	12994.4	14560.4	15622.0
-57.5°	4045.4	4603.7	5217.0	5968.0	6753.9	7568.3	8566.1	9726.6	10929.8	12120.9	12951.2
-60°	3546.7	4035.4	4585.9	5207.4	5866.7	6557.4	7366.9	8239.6	9143.7	9997.6	10614.1
-62.5°	3035.5	3440.0	3929.5	4449.7	4979.1	5534.7	6224.7	6924.7	7627.1	8241.0	8677.6
-65°	2564.7	2893.1	3294.9	3721.8	4168.3	4648.1	5200.2	5759.7	6321.5	6793.2	7148.3
-67.5°	2097.6	2369.9	2695.0	3026.6	3380.4	3777.4	4232.2	4690.5	5148.4	5518.5	5810.1
-70°	1680.9	1892.7	2139.7	2400.0	2684.6	3007.5	3371.3	3731.3	4085.8	4357.1	4577.0
-72.5°	1338.2	1509.2	1714.6	1935.2	2154.2	2409.9	2694.8	2981.7	3268.7	3482.5	3663.5
-75°	1072.7	1206.5	1367.8	1534.8	1706.4	1914.7	2141.1	2370.0	2599.7	2775.0	2931.4
-77.5°	883.5	994.9	1114.0	1234.9	1357.1	1511.7	1675.7	1840.3	2004.8	2136.9	2261.7
-80°	756.1	841.5	932.3	1024.5	1118.0	1240.5	1369.3	1499.5	1630.4	1736.8	1839.5
-82.5°	657.7	725.5	796.6	868.9	942.2	1037.1	1134.8	1233.4	1332.4	1417.2	1500.6
-85°	584.9	637.9	692.5	748.0	804.1	877.2	951.2	1025.6	1100.1	1169.0	1237.6
-87.5°	533.6	574.9	616.7	658.8	701.1	759.2	817.7	876.4	935.3	988.7	1042.0
-90°	42.1	39.0	35.9	32.8	29.7	26.6	23.5	20.3	17.2	14.6	12.0



REPORT NUMBER: P1212195 (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°	935.6	979.4	993.3	1007.2	993.3	979.4	935.6	891.8	848.0	804.2	759.2
87.5°	9.3	6.7	4.3	1.9	4.3	6.7	9.3	12.0	14.6	17.2	20.3
85°	8.6	5.7	3.8	1.9	3.8	5.7	8.6	11.5	14.4	17.3	20.4
82.5°	8.6	5.7	3.8	1.9	3.8	5.7	8.6	11.5	14.4	17.4	20.5
80°	8.7	5.8	3.8	1.9	3.8	5.8	8.7	11.6	14.5	17.5	20.6
77.5°	8.6	5.8	3.8	1.9	3.8	5.8	8.6	11.3	14.0	16.9	20.1
75°	8.6	5.9	3.4	1.0	3.4	5.9	8.6	11.4	14.1	17.0	20.3
72.5°	9.0	6.0	4.4	2.9	4.4	6.0	9.0	11.9	14.9	17.9	21.1
70°	8.9	6.0	3.9	1.9	3.9	6.0	8.9	11.7	14.6	17.8	21.3
67.5°	9.0	6.1	4.0	1.9	4.0	6.1	9.0	11.9	14.7	17.9	21.5
65°	9.2	6.2	3.6	1.0	3.6	6.2	9.2	12.1	15.0	18.2	21.7
62.5°	8.8	5.6	3.1	1.0	3.1	5.6	8.8	12.0	15.2	18.5	22.0
60°	9.5	6.5	4.1	1.9	4.1	6.5	9.5	12.5	15.6	19.0	22.5
57.5°	9.8	6.7	3.8	1.0	3.8	6.7	9.8	12.9	16.0	19.6	23.1
55°	10.1	6.9	3.9	1.0	3.9	6.9	10.1	13.3	16.5	20.2	23.8
52.5°	10.4	7.1	4.0	1.0	4.0	7.1	10.4	13.7	17.1	20.8	24.6
50°	10.7	7.3	3.7	0.0	3.7	7.3	10.7	14.1	17.7	21.6	25.4
47.5°	10.8	6.9	3.6	1.0	3.6	6.9	10.8	14.6	18.5	22.5	26.4
45°	11.5	7.8	4.3	1.0	4.3	7.8	11.5	15.2	19.3	23.4	27.5
42.5°	12.1	8.2	4.2	0.0	4.2	8.2	12.1	15.9	20.2	24.5	28.7
40°	12.7	8.6	4.6	1.0	4.6	8.6	12.7	16.7	21.4	25.8	30.2
37.5°	13.3	9.1	4.9	1.0	4.9	9.1	13.3	17.8	22.9	28.0	32.4
35°	14.1	9.6	5.0	0.0	5.0	9.6	14.1	19.1	24.2	28.8	34.3
32.5°	17.3	11.6	5.4	1.0	5.4	11.6	17.3	23.0	27.9	32.7	37.7
30°	24.1	16.8	8.5	0.0	8.5	16.8	24.1	31.0	36.3	41.2	44.8
27.5°	27.9	19.3	11.0	0.0	11.0	19.3	27.9	37.7	48.1	52.4	56.2
25°	23.7	16.6	12.8	5.7	12.8	16.6	23.7	35.0	48.4	58.7	67.4
22.5°	31.8	30.5	24.5	20.1	24.5	30.5	31.8	30.4	40.2	57.2	73.2
20°	50.8	47.7	45.3	41.2	45.3	47.7	50.8	52.2	53.1	55.9	75.4
17.5°	80.1	80.5	77.4	73.7	77.4	80.5	80.1	73.3	76.1	75.4	84.7
15°	137.0	135.3	128.7	123.5	128.7	135.3	137.0	131.3	124.2	117.0	124.1
12.5°	223.9	218.9	209.4	202.5	209.4	218.9	223.9	230.4	216.3	209.8	205.0
10°	841.4	883.8	629.3	384.9	629.3	883.8	841.4	542.5	786.7	711.9	543.7
7.5°	26077.6	35560.7	44443.5	51736.8	44443.5	35560.7	26077.6	18298.9	15778.3	7560.4	5457.6
5°	159631.8	210643.4	239850.0	259606.7	239850.0	210643.4	159631.8	114205.7	69492.1	38533.7	22742.9
2.5°	267381.8	351079.1	410691.3	449053.1	410691.3	351079.1	267381.8	181543.5	124137.7	69532.6	34200.9
0°	419888.8	538765.7	640142.9	688071.5	640142.9	538765.7	419888.8	302819.6	206592.7	117290.9	60724.9
-2.5°	500404.2	629653.0	728061.8	766002.7	728061.8	629653.0	500404.2	370231.3	251778.9	146302.1	74873.5
-5°	467566.9	562737.8	625616.4	645729.9	625616.4	562737.8	467566.9	351335.9	243101.4	144575.5	74150.1
-7.5°	414922.6	486301.6	529334.2	543037.6	529334.2	486301.6	414922.6	314953.8	218981.0	132030.5	73369.3
-10°	360846.5	424532.4	459057.2	473535.1	459057.2	424532.4	360846.5	275430.9	189026.8	111820.2	63784.2
-12.5°	296062.9	357899.2	393425.9	405182.9	393425.9	357899.2	296062.9	225221.3	148809.2	94458.1	57693.4
-15°	235835.2	288825.0	325021.3	341102.7	325021.3	288825.0	235835.2	178014.0	123722.8	79319.6	51434.1
-17.5°	189930.9	234575.3	264340.1	275708.5	264340.1	234575.3	189930.9	143662.2	105533.2	70211.5	48508.4
-20°	158881.1	193876.4	217233.2	227730.5	217233.2	193876.4	158881.1	122323.5	92007.1	65210.0	46978.4



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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°	139590.9	167650.1	189548.7	198612.7	189548.7	167650.1	139590.9	108424.5	82730.4	59492.3	44789.7
-25°	124813.3	148030.4	167765.3	176804.7	167765.3	148030.4	124813.3	98803.8	75685.7	55964.6	41324.7
-27.5°	109056.3	127788.7	144930.0	153702.3	144930.0	127788.7	109056.3	87234.7	66598.1	51633.0	38933.5
-30°	92911.1	107302.7	121208.0	124498.3	121208.0	107302.7	92911.1	75762.8	59263.0	46887.0	36773.6
-32.5°	77837.8	88563.2	98393.0	103374.9	98393.0	88563.2	77837.8	65078.9	52272.1	41775.7	34124.6
-35°	64454.0	72498.4	79482.2	82244.7	79482.2	72498.4	64454.0	55333.0	45678.7	36909.1	31093.7
-37.5°	53518.2	59696.6	64671.0	66122.9	64671.0	59696.6	53518.2	46827.1	39611.0	32962.5	28024.8
-40°	44428.4	49085.3	52755.4	53938.8	52755.4	49085.3	44428.4	39762.5	34524.4	29495.2	25312.5
-42.5°	37372.9	40319.6	42479.8	43241.6	42479.8	40319.6	37372.9	34344.7	30453.9	26625.8	23025.3
-45°	32036.3	34198.2	35568.1	35808.2	35568.1	34198.2	32036.3	29790.8	26847.4	23620.4	20410.9
-47.5°	27357.9	29052.6	30035.2	30208.3	30035.2	29052.6	27357.9	25532.6	23111.9	20216.3	17333.8
-50°	22721.3	23987.2	24690.9	24856.4	24690.9	23987.2	22721.3	21380.1	19686.8	17455.3	15268.7
-52.5°	19300.2	20229.5	20660.3	20718.4	20660.3	20229.5	19300.2	18280.7	17032.1	15184.5	13346.7
-55°	16605.6	17523.6	17832.1	17739.0	17832.1	17523.6	16605.6	15622.0	14560.4	12994.4	11453.1
-57.5°	13745.6	14491.9	14908.8	15131.0	14908.8	14491.9	13745.6	12951.2	12120.9	10929.8	9726.6
-60°	11208.2	11769.0	11999.9	12067.2	11999.9	11769.0	11208.2	10614.1	9997.6	9143.7	8239.6
-62.5°	9086.8	9465.1	9648.6	9748.4	9648.6	9465.1	9086.8	8677.6	8241.0	7627.1	6924.7
-65°	7483.5	7795.6	7897.7	7929.3	7897.7	7795.6	7483.5	7148.3	6793.2	6321.5	5759.7
-67.5°	6084.3	6338.9	6354.2	6304.6	6354.2	6338.9	6084.3	5810.1	5518.5	5148.4	4690.5
-70°	4784.3	4978.1	5025.4	5038.9	5025.4	4978.1	4784.3	4577.0	4357.1	4085.8	3731.3
-72.5°	3836.0	3999.4	4037.2	4052.7	4037.2	3999.4	3836.0	3663.5	3482.5	3268.7	2981.7
-75°	3080.9	3223.2	3239.7	3238.9	3239.7	3223.2	3080.9	2931.4	2775.0	2599.7	2370.0
-77.5°	2383.5	2502.0	2525.9	2541.0	2525.9	2502.0	2383.5	2261.7	2136.9	2004.8	1840.3
-80°	1940.4	2039.3	2046.0	2047.0	2046.0	2039.3	1940.4	1839.5	1736.8	1630.4	1499.5
-82.5°	1583.0	1664.1	1678.9	1690.8	1678.9	1664.1	1583.0	1500.6	1417.2	1332.4	1233.4
-85°	1305.8	1373.6	1393.0	1411.2	1393.0	1373.6	1305.8	1237.6	1169.0	1100.1	1025.6
-87.5°	1095.2	1148.2	1163.6	1178.6	1163.6	1148.2	1095.2	1042.0	988.7	935.3	876.4
-90°	9.3	6.7	4.8	2.9	4.8	6.7	9.3	12.0	14.6	17.2	20.3



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	714.2	669.2	624.2	591.4	558.7	525.9	493.1	471.8	450.5	429.2	407.9
87.5°	23.5	26.6	29.7	32.8	35.9	39.0	42.1	45.3	48.4	51.5	54.6
85°	23.5	26.7	29.8	32.9	36.0	39.1	42.2	45.4	48.5	51.6	54.7
82.5°	23.6	26.8	29.9	33.1	36.2	39.3	42.4	45.5	48.7	51.8	54.9
80°	23.8	27.0	30.1	33.2	36.4	39.5	42.6	45.8	48.9	52.0	55.1
77.5°	23.3	26.6	29.9	33.2	36.5	39.7	42.9	46.1	49.2	52.3	55.4
75°	23.7	26.9	30.1	33.4	36.6	40.0	43.3	46.4	49.6	52.7	55.7
72.5°	24.4	27.7	31.0	34.2	37.4	40.5	43.7	46.9	50.0	53.2	56.2
70°	24.7	28.1	31.4	34.6	37.8	41.0	44.2	47.4	50.6	53.7	56.6
67.5°	25.0	28.6	31.9	35.2	38.4	41.6	44.8	48.0	51.2	54.3	57.2
65°	25.3	28.9	32.5	35.7	39.0	42.2	45.5	48.7	51.8	55.0	57.8
62.5°	25.4	28.7	32.4	36.1	39.6	43.0	46.2	49.4	52.6	55.7	58.5
60°	26.0	29.5	33.1	36.8	40.3	43.8	47.0	50.3	53.5	56.5	59.3
57.5°	26.6	30.3	34.0	37.7	41.3	44.7	48.0	51.2	54.4	57.3	60.2
55°	27.4	31.1	34.9	38.7	42.3	45.7	49.0	52.3	55.4	58.3	61.1
52.5°	28.3	32.1	36.0	39.8	43.4	46.8	50.1	53.4	56.4	59.3	62.2
50°	29.3	33.3	37.2	41.0	44.7	48.1	51.4	54.7	57.6	60.5	63.3
47.5°	30.4	34.5	38.5	42.4	46.1	49.9	53.1	56.0	59.0	61.7	64.5
45°	31.7	35.9	40.0	43.8	47.4	51.1	55.0	57.9	60.7	63.4	65.8
42.5°	33.1	37.4	41.6	45.4	49.0	52.5	56.0	59.5	62.5	65.3	67.6
40°	34.8	39.1	43.3	47.1	50.8	54.3	57.6	60.9	64.1	66.9	69.2
37.5°	36.7	41.1	45.4	49.5	53.0	56.3	59.6	62.8	65.8	68.5	70.8
35°	38.9	43.3	47.7	51.8	55.7	58.9	62.1	65.0	67.7	70.1	72.5
32.5°	41.8	46.5	50.6	54.6	58.2	61.6	64.8	67.8	69.8	72.0	74.2
30°	47.9	51.5	54.8	58.5	62.0	64.6	67.4	70.3	72.5	74.3	76.0
27.5°	58.4	59.6	61.5	63.3	66.9	69.0	70.8	73.2	75.2	76.8	78.4
25°	69.8	71.2	70.8	70.6	71.5	74.6	75.2	76.8	78.4	79.7	81.4
22.5°	80.3	83.8	82.3	80.2	78.7	79.7	80.6	80.9	82.5	83.8	84.9
20°	94.3	102.1	98.4	95.6	89.4	85.9	86.2	88.4	89.9	89.3	88.7
17.5°	108.9	123.1	134.1	125.5	108.3	96.2	104.0	104.5	99.6	95.7	92.8
15°	131.8	166.5	182.3	172.0	153.3	141.7	136.6	125.7	112.6	103.9	107.3
12.5°	220.9	226.2	245.0	302.7	261.2	211.8	181.2	155.2	152.8	164.7	161.5
10°	375.4	705.8	651.0	544.3	416.4	303.6	321.3	319.9	296.8	261.0	225.2
7.5°	3837.4	2382.7	1285.5	1169.6	1111.1	921.6	680.5	553.2	459.2	368.0	295.6
5°	9470.1	5760.0	3981.5	3223.4	2337.6	1696.3	1080.6	804.2	632.7	481.2	373.6
2.5°	15678.8	10100.4	7172.0	5581.6	3967.9	3057.0	2169.2	1723.5	1437.6	1171.4	964.1
0°	28690.8	17919.9	12223.3	9867.1	7285.0	5787.6	4258.6	3217.9	2540.0	1977.1	1559.6
-2.5°	36451.5	22362.1	15191.3	11864.7	9100.5	7351.4	5680.8	4212.8	3274.0	2647.7	2175.6
-5°	39020.8	24277.1	17760.2	14012.5	10960.7	8833.7	6945.3	5284.2	4106.9	3341.1	2767.4
-7.5°	40473.2	26003.9	19855.5	15823.6	12597.1	10144.3	8089.8	6445.9	5167.4	4230.5	3469.1
-10°	37363.4	27229.9	21334.0	17072.5	13860.0	11223.2	9147.4	7503.9	6135.4	5039.6	4113.4
-12.5°	37733.0	28154.7	22026.2	17789.6	14775.2	12096.0	9979.6	8327.6	6991.1	5748.1	4686.0
-15°	36555.6	28601.9	22868.1	18615.1	15482.6	12775.6	10483.5	8593.8	7358.3	6239.2	5175.1
-17.5°	36618.1	28489.6	23005.5	19086.4	15891.9	13130.5	10664.3	8817.0	7563.3	6418.6	5308.7
-20°	34958.4	28264.5	23085.7	19077.5	15887.8	13111.6	10547.3	8931.6	7706.9	6457.1	5224.5



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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°	34115.0	27650.1	22879.7	18808.2	15578.2	12846.2	10618.5	9060.9	7783.1	6338.1	5026.6
-25°	33295.3	26756.8	22356.3	18602.9	15203.3	12398.8	10647.0	9203.6	7648.8	6053.1	4740.4
-27.5°	31544.0	25926.0	21579.5	18024.6	14767.8	12372.0	10629.4	9159.5	7334.6	5699.3	4534.7
-30°	29251.6	24816.2	20726.8	17139.4	14572.9	12407.9	10620.6	8627.0	6806.9	5289.9	4378.0
-32.5°	27686.6	23269.5	19539.1	16615.2	14300.8	12402.4	10133.5	7862.3	6070.9	5114.6	4251.2
-35°	25790.4	21515.2	18471.6	16070.3	14047.4	11678.6	9330.2	7072.4	5755.1	4932.6	4093.2
-37.5°	23758.5	20009.8	17561.9	15379.8	12933.5	10522.7	8161.4	6655.9	5622.3	4713.3	3933.7
-40°	22038.0	19053.2	16190.2	13824.3	11355.6	8926.0	7538.8	6446.4	5405.4	4470.8	3741.3
-42.5°	20045.2	17138.6	14207.5	11732.0	9647.8	8339.2	7159.4	6090.1	5115.2	4247.7	3533.7
-45°	17491.6	14692.3	12000.9	10311.4	9017.0	7800.6	6653.8	5662.0	4763.8	3993.6	3298.2
-47.5°	14950.0	12933.7	11078.7	9446.2	8268.6	7153.3	6114.3	5171.1	4408.6	3705.3	3111.7
-50°	13227.9	11564.3	10006.1	8583.6	7473.2	6470.7	5552.6	4719.0	4046.1	3453.5	2900.0
-52.5°	11547.4	10151.0	8870.4	7679.5	6663.5	5797.9	4992.6	4321.8	3722.9	3179.5	2675.7
-55°	9957.9	8778.5	7755.1	6769.1	5860.2	5175.7	4528.5	3929.0	3379.5	2881.9	2443.8
-57.5°	8566.1	7568.3	6753.9	5968.0	5217.0	4603.7	4045.4	3511.5	3025.7	2597.4	2199.1
-60°	7366.9	6557.4	5866.7	5207.4	4585.9	4035.4	3546.7	3091.1	2671.8	2304.4	1960.6
-62.5°	6224.7	5534.7	4979.1	4449.7	3929.5	3440.0	3035.5	2671.1	2327.9	2006.3	1709.6
-65°	5200.2	4648.1	4168.3	3721.8	3294.9	2893.1	2564.7	2259.1	1976.5	1712.4	1449.6
-67.5°	4232.2	3777.4	3380.4	3026.6	2695.0	2369.9	2097.6	1847.8	1624.5	1407.9	1189.6
-70°	3371.3	3007.5	2684.6	2400.0	2139.7	1892.7	1680.9	1486.3	1291.1	1118.4	965.2
-72.5°	2694.8	2409.9	2154.2	1935.2	1714.6	1509.2	1338.2	1191.3	1045.5	901.2	777.8
-75°	2141.1	1914.7	1706.4	1534.8	1367.8	1206.5	1072.7	962.6	854.8	749.5	654.7
-77.5°	1675.7	1511.7	1357.1	1234.9	1114.0	994.9	883.5	793.9	715.4	640.5	574.2
-80°	1369.3	1240.5	1118.0	1024.5	932.3	841.5	756.1	690.5	627.6	569.5	518.5
-82.5°	1134.8	1037.1	942.2	868.9	796.6	725.5	657.7	610.0	563.8	519.4	477.8
-85°	951.2	877.2	804.1	748.0	692.5	637.9	584.9	550.4	516.6	483.6	451.8
-87.5°	817.7	759.2	701.1	658.8	616.7	574.9	533.6	507.2	481.0	455.0	429.3
-90°	23.5	26.6	29.7	32.8	35.9	39.0	42.1	45.2	48.4	51.5	54.6



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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°	390.4	373.0	355.5	338.0	316.2	294.4	272.6	250.8	226.9	202.9	179.0
87.5°	57.5	60.4	63.3	66.1	68.5	70.9	73.2	75.6	77.3	79.0	80.6
85°	57.6	60.5	63.3	66.2	68.6	70.9	73.3	75.7	77.3	79.0	80.7
82.5°	57.8	60.6	63.5	66.3	68.7	71.1	73.4	75.7	77.4	79.1	80.7
80°	58.0	60.8	63.7	66.5	68.9	71.2	73.6	75.8	77.5	79.1	80.8
77.5°	58.3	61.1	64.0	66.7	69.1	71.4	73.8	76.0	77.6	79.2	80.9
75°	58.6	61.5	64.3	67.0	69.3	71.7	74.0	76.1	77.7	79.4	81.0
72.5°	59.0	61.9	64.7	67.3	69.6	72.0	74.3	76.3	77.9	79.5	81.1
70°	59.5	62.4	65.2	67.7	70.0	72.3	74.6	76.5	78.1	79.7	81.3
67.5°	60.1	62.9	65.7	68.1	70.4	72.7	74.9	76.7	78.3	79.9	81.5
65°	60.7	63.5	66.3	68.6	70.8	73.1	75.4	77.0	78.6	80.1	81.7
62.5°	61.4	64.2	66.8	69.1	71.4	73.6	75.7	77.3	78.8	80.4	81.9
60°	62.2	64.9	67.4	69.7	71.9	74.1	76.1	77.6	79.1	80.6	82.1
57.5°	63.0	65.8	68.1	70.3	72.5	74.7	76.5	78.0	79.4	80.9	82.4
55°	63.9	66.6	68.8	71.0	73.2	75.3	76.9	78.3	79.8	81.2	82.5
52.5°	64.9	67.4	69.6	71.7	73.9	75.9	77.5	78.7	80.2	81.6	82.8
50°	66.0	68.4	70.5	72.6	74.6	76.5	78.1	79.3	80.6	81.9	83.0
47.5°	67.0	69.4	71.7	73.5	75.4	77.1	78.7	80.0	81.0	82.3	83.4
45°	68.1	70.3	72.8	74.8	76.2	77.8	79.3	80.8	81.7	82.7	83.7
42.5°	69.5	71.5	73.6	76.3	77.3	78.4	79.9	81.4	82.4	83.1	84.1
40°	71.1	73.0	74.5	76.8	78.4	79.2	80.6	82.0	83.2	83.6	84.5
37.5°	72.6	74.5	76.1	77.5	79.5	80.3	81.3	82.6	84.0	84.4	84.9
35°	74.3	75.9	77.6	78.7	80.4	81.4	82.0	83.3	84.8	85.3	85.4
32.5°	76.2	77.4	78.9	80.1	81.4	82.6	83.0	84.3	85.5	86.2	85.8
30°	78.0	79.3	80.3	81.5	82.7	83.6	84.3	85.5	86.4	87.1	86.4
27.5°	79.8	81.1	81.9	82.9	83.9	84.9	86.2	86.9	87.3	88.0	87.2
25°	82.2	83.1	83.7	84.4	85.1	87.7	88.3	88.5	88.4	88.8	88.0
22.5°	85.2	85.2	85.5	86.0	88.7	90.8	90.7	90.3	89.7	89.6	88.9
20°	88.7	87.6	88.6	91.9	93.2	94.1	93.3	92.2	91.1	90.5	89.7
17.5°	92.4	96.7	99.5	99.2	98.2	97.7	96.2	94.2	92.6	91.4	90.6
15°	116.8	116.6	112.4	107.7	103.8	101.6	99.2	96.3	94.1	92.3	92.2
12.5°	151.5	139.9	127.1	117.2	109.7	105.7	102.4	98.4	95.7	94.7	94.9
10°	190.8	165.8	143.0	127.3	115.9	109.9	105.6	102.4	100.3	98.4	97.6
7.5°	233.4	193.4	159.8	137.9	127.8	123.6	117.7	110.6	105.4	102.3	100.3
5°	345.5	305.4	250.0	205.4	170.8	148.1	131.4	119.1	110.5	106.1	103.0
2.5°	755.2	553.6	389.6	283.7	215.3	173.2	145.2	127.6	115.6	110.0	105.6
0°	1169.0	803.3	529.5	361.9	259.5	198.2	158.9	136.0	120.6	113.9	108.2
-2.5°	1708.1	1253.4	960.2	658.1	409.4	288.8	219.4	165.6	136.7	124.1	114.9
-5°	2223.8	1693.8	1372.9	937.9	552.9	376.4	277.2	194.1	152.5	134.1	121.6
-7.5°	2765.4	2122.8	1718.7	1179.5	685.4	458.9	330.5	220.7	167.5	143.7	128.0
-10°	3263.9	2516.7	1965.3	1333.1	823.8	554.1	382.0	244.7	181.6	152.8	134.1
-12.5°	3690.2	2860.7	2162.9	1462.4	951.1	658.8	457.8	290.4	197.5	161.3	139.9
-15°	4031.6	3144.3	2302.6	1564.9	1061.2	752.4	525.1	342.2	232.7	175.1	145.3
-17.5°	4219.3	3358.2	2376.4	1638.7	1151.8	833.2	582.7	386.5	263.5	195.0	154.8
-20°	4157.6	3359.0	2391.4	1681.8	1221.1	899.9	629.4	422.2	289.3	212.8	166.9



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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°	4058.3	3219.4	2382.9	1740.2	1278.4	951.0	664.2	448.4	309.3	228.0	177.6
-25°	3907.5	3074.1	2350.7	1772.6	1330.0	987.1	690.8	464.3	323.2	240.5	186.9
-27.5°	3725.7	2949.2	2305.8	1784.3	1361.9	1006.9	707.7	480.6	333.2	249.9	194.4
-30°	3548.6	2880.4	2287.3	1782.5	1372.6	1014.5	709.9	488.0	344.0	258.0	200.2
-32.5°	3441.7	2801.7	2256.8	1776.7	1367.1	1008.0	706.2	485.7	350.4	264.6	205.5
-35°	3365.5	2739.0	2204.3	1744.9	1345.2	1000.1	704.5	473.4	352.2	268.5	210.0
-37.5°	3242.9	2658.1	2142.9	1694.4	1305.1	980.8	703.3	481.8	349.4	269.7	213.1
-40°	3109.7	2550.7	2058.5	1630.8	1265.6	950.1	691.5	488.6	346.6	268.2	215.0
-42.5°	2938.0	2428.9	1967.2	1549.0	1218.9	924.7	671.4	485.4	350.1	267.5	215.6
-45°	2771.5	2290.9	1860.4	1486.5	1162.3	887.3	655.5	474.1	348.6	266.6	216.2
-47.5°	2585.2	2148.0	1752.3	1405.0	1105.5	841.6	627.5	463.6	341.1	264.1	217.4
-50°	2402.2	1997.1	1636.8	1319.4	1035.8	792.8	591.9	445.5	337.3	262.3	217.6
-52.5°	2225.3	1841.7	1515.8	1223.3	960.8	730.1	559.0	421.3	329.0	261.1	216.8
-55°	2035.6	1684.4	1388.5	1117.5	873.8	674.3	517.2	403.5	316.3	259.5	215.1
-57.5°	1847.2	1524.5	1249.3	999.9	789.7	614.0	479.9	380.5	308.4	256.0	213.1
-60°	1643.6	1353.8	1096.5	886.7	703.8	555.5	443.6	358.3	300.7	251.4	211.0
-62.5°	1429.4	1171.4	954.9	770.9	622.4	502.0	406.2	344.9	290.9	247.3	208.2
-65°	1212.2	996.8	807.8	668.5	546.0	450.0	385.8	329.3	283.0	242.1	205.1
-67.5°	989.0	833.0	687.2	565.9	484.1	418.4	362.1	316.7	274.9	236.0	202.6
-70°	821.5	686.0	580.7	503.6	439.4	385.5	345.1	304.9	265.6	232.2	199.6
-72.5°	681.9	592.8	511.0	445.8	405.1	366.0	328.7	293.2	260.2	227.8	196.1
-75°	576.1	516.9	463.6	417.8	380.8	345.8	316.3	286.1	254.3	222.9	193.8
-77.5°	523.4	475.0	429.2	392.7	363.9	335.3	307.1	278.4	248.6	219.9	191.7
-80°	480.4	444.2	410.1	378.7	351.3	324.2	298.6	272.9	244.7	216.8	189.2
-82.5°	447.2	419.2	392.4	366.3	341.3	316.6	292.1	267.6	240.3	213.2	186.6
-85°	427.1	402.8	378.9	355.5	331.9	308.4	285.3	262.1	236.0	210.1	184.4
-87.5°	408.3	387.5	366.9	346.5	324.1	301.6	279.2	256.7	231.6	206.7	181.9
-90°	57.5	60.4	63.2	66.1	68.5	70.9	73.2	75.6	77.3	79.0	80.6



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	155.1	141.0	126.8	112.7	98.6	93.3	88.1
87.5°	82.3	83.5	84.7	85.9	87.1	87.6	88.1
85°	82.3	83.5	84.7	85.9	87.1	87.6	88.1
82.5°	82.4	83.5	84.7	85.9	87.1	87.6	88.1
80°	82.4	83.6	84.8	86.0	87.1	87.6	88.1
77.5°	82.5	83.6	84.8	86.0	87.1	87.6	88.1
75°	82.5	83.7	84.9	86.0	87.1	87.6	88.1
72.5°	82.6	83.8	84.9	86.1	87.1	87.6	88.1
70°	82.7	83.9	85.0	86.1	87.2	87.6	88.1
67.5°	82.8	83.9	85.1	86.2	87.2	87.6	88.1
65°	82.9	84.0	85.1	86.2	87.2	87.6	88.1
62.5°	83.1	84.2	85.2	86.3	87.2	87.7	88.1
60°	83.2	84.3	85.3	86.4	87.2	87.7	88.1
57.5°	83.4	84.4	85.4	86.5	87.3	87.7	88.1
55°	83.6	84.6	85.6	86.5	87.3	87.7	88.1
52.5°	83.7	84.7	85.7	86.6	87.4	87.7	88.1
50°	83.9	84.9	85.8	86.7	87.5	87.7	88.1
47.5°	84.1	85.0	85.9	86.8	87.5	87.7	88.1
45°	84.4	85.2	86.1	86.9	87.6	87.7	88.1
42.5°	84.8	85.4	86.2	87.1	87.7	87.8	88.1
40°	85.1	85.6	86.4	87.2	87.8	87.8	88.1
37.5°	85.5	85.8	86.6	87.4	87.9	87.8	88.1
35°	85.9	86.1	86.7	87.6	88.0	87.8	88.1
32.5°	86.3	86.4	86.9	87.8	88.2	87.8	88.1
30°	86.7	86.7	87.1	88.1	88.3	87.8	88.1
27.5°	87.1	87.1	87.6	88.4	88.4	87.9	88.1
25°	87.6	87.4	88.2	88.6	88.6	87.9	88.1
22.5°	88.0	88.0	88.8	88.9	88.7	87.9	88.1
20°	88.5	89.1	89.5	89.3	88.9	87.9	88.1
17.5°	89.8	90.2	90.2	89.6	89.0	87.9	88.1
15°	91.6	91.4	91.0	89.9	89.2	88.0	88.1
12.5°	93.5	92.6	91.7	90.2	89.3	88.0	88.1
10°	95.5	93.8	92.5	90.6	89.4	88.0	88.1
7.5°	97.5	95.0	93.3	90.9	89.6	88.0	88.1
5°	99.5	96.2	94.1	91.2	89.7	88.1	88.1
2.5°	101.4	97.4	94.9	91.6	89.9	88.1	88.1
0°	103.4	98.6	95.7	91.9	90.0	88.1	88.1
-2.5°	108.0	101.2	97.5	93.1	90.7	88.4	88.1
-5°	112.5	103.8	99.3	94.3	91.3	88.7	88.1
-7.5°	116.7	106.4	101.1	95.4	92.0	89.0	88.1
-10°	120.8	108.8	102.8	96.5	92.6	89.3	88.1
-12.5°	124.6	111.2	104.4	97.6	93.2	89.5	88.1
-15°	128.0	113.5	106.0	98.7	93.8	89.8	88.1
-17.5°	131.1	115.6	107.5	99.7	94.4	90.1	88.1
-20°	135.6	117.7	108.9	100.7	94.9	90.4	88.1



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	142.8	119.6	110.1	101.6	95.5	90.6	88.1
-25°	149.3	123.9	111.3	102.4	96.0	90.9	88.1
-27.5°	155.0	128.9	112.4	103.2	96.4	91.1	88.1
-30°	159.9	133.4	113.5	104.0	96.9	91.4	88.1
-32.5°	163.9	137.5	116.4	104.6	97.3	91.6	88.1
-35°	168.3	141.2	119.0	105.2	97.7	91.8	88.1
-37.5°	172.5	144.3	121.3	105.7	98.1	92.0	88.1
-40°	175.9	147.0	123.3	106.2	98.4	92.2	88.1
-42.5°	178.6	149.2	125.1	106.9	98.7	92.4	88.1
-45°	180.6	151.0	126.8	108.2	98.9	92.5	88.1
-47.5°	181.8	152.3	128.3	109.3	99.1	92.7	88.1
-50°	182.5	153.1	129.4	110.3	99.3	92.8	88.1
-52.5°	182.6	153.4	130.3	111.3	99.5	93.0	88.1
-55°	182.1	153.8	130.9	112.1	99.6	93.1	88.1
-57.5°	180.9	153.9	131.2	112.8	99.7	93.2	88.1
-60°	179.2	153.6	131.4	113.4	99.7	93.3	88.1
-62.5°	177.8	152.9	131.7	113.8	99.8	93.4	88.1
-65°	175.9	151.8	131.9	114.1	99.8	93.4	88.1
-67.5°	173.5	151.0	131.9	114.3	99.9	93.5	88.1
-70°	170.6	150.4	131.7	114.4	99.8	93.5	88.1
-72.5°	168.9	149.5	131.3	114.5	99.8	93.5	88.1
-75°	167.1	148.4	130.8	114.5	99.7	93.5	88.1
-77.5°	165.1	147.1	130.4	114.5	99.6	93.5	88.1
-80°	162.7	146.0	129.9	114.3	99.4	93.5	88.1
-82.5°	161.0	145.0	129.3	114.0	99.3	93.5	88.1
-85°	159.2	143.8	128.6	113.7	99.1	93.5	88.1
-87.5°	157.2	142.5	127.8	113.2	98.8	93.4	88.1
-90°	82.3	83.5	84.7	85.9	87.1	87.6	88.1

(END OF REPORT)