

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: P1212219 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS12-1000R-57-90-3S-ECV**

Issue Date: 11/14/2025

Test Information

Test Method: LM-79-08
Report Number: P1212219 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2509-549-26)
Test Lab: INNOVATION CENTER
Issue Date: 11/14/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: EPHESUS
Catalog Number: EPH-LS12-1000R-57-90-3S-ECV
Description: EPHESUS LS12 LUMINAIRE
(12) 5700K, 90 CRI LEDS AND 3S BEAM SHAPE WITH EXTREME CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

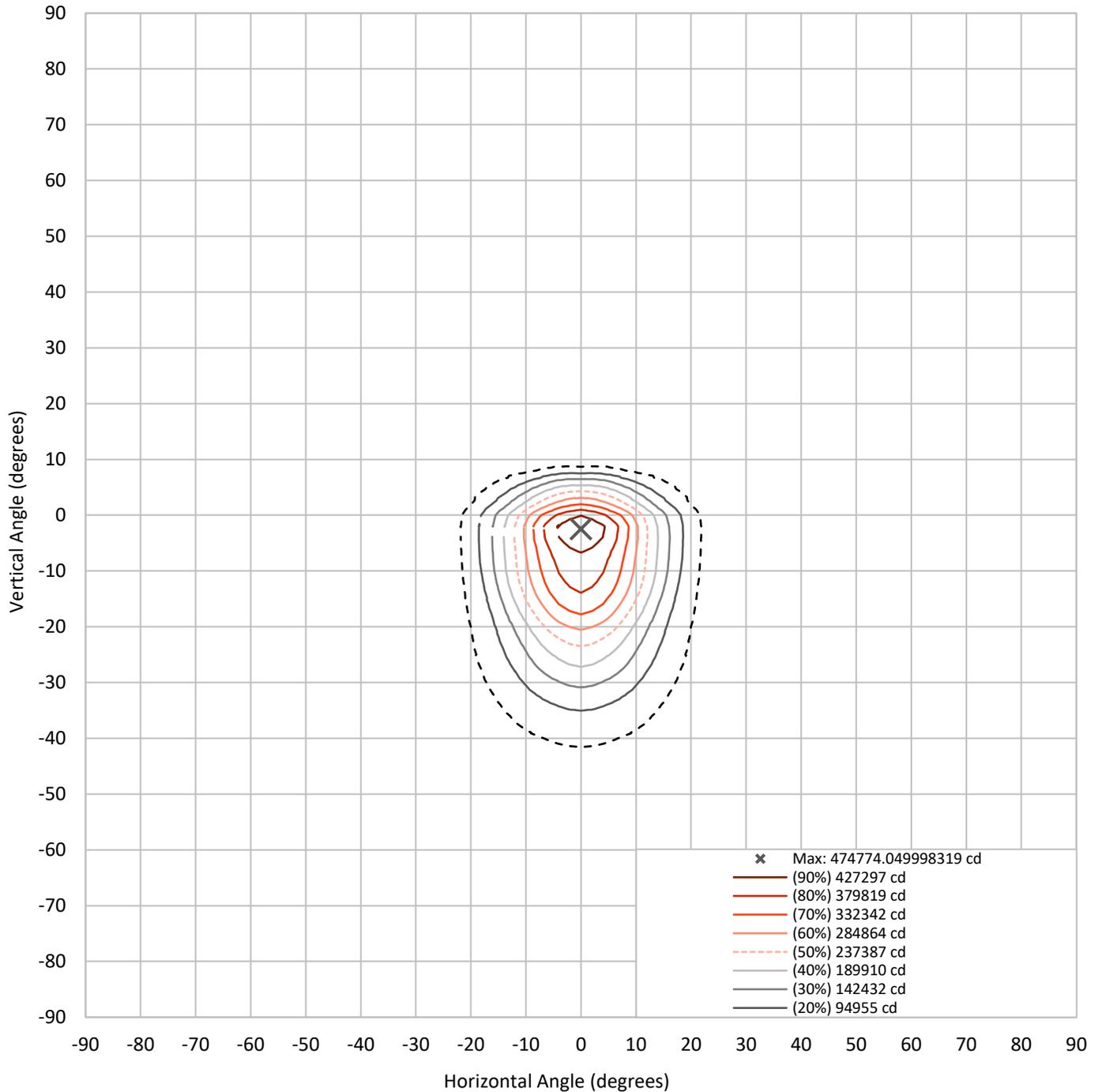
Lumens per Lamp:	N/A	NEMA Type:	3H x 4V
Luminaire Lumens:	116986.7 lumens	Max Intensity:	474774 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -2.5°V
Efficacy:	112.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.83' x L: 0.79' x H: 0')		
Beam Angle (50%):	24.4°H x 27.8°V	Field Angle (10%):	43.8°H x 50.3°V
Beam Lumens:	54920.9 lumens	Field Lumens:	97706 lumens
Beam Efficiency:	46.9%	Field Efficiency:	83.5%

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

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CATALOG NUMBER: EPH-LS12-1000R-57-90-3S-ECV

Iso-Candela Plot





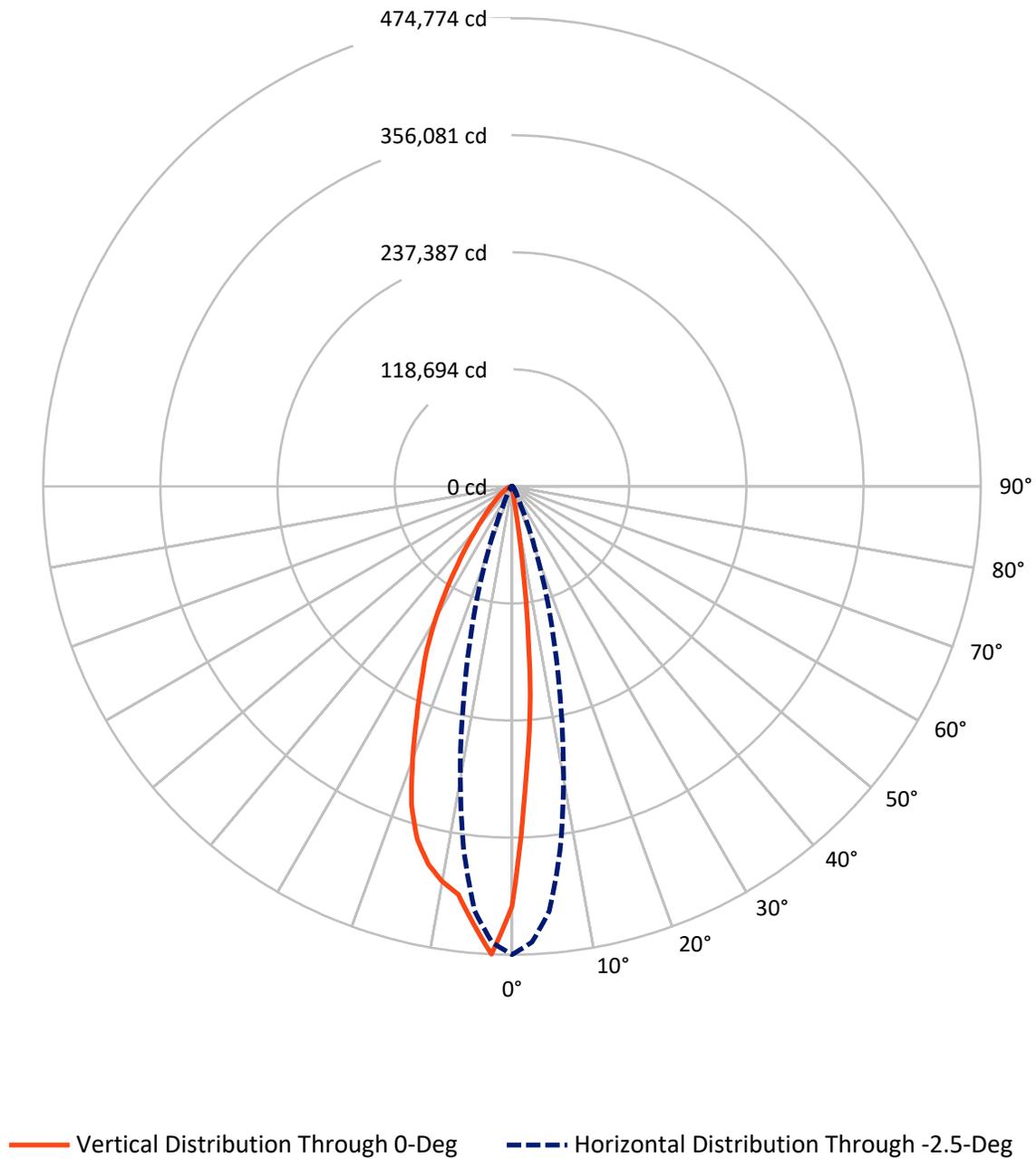
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Lumen Table

90	2.0	5.2	6.2	5.4	4.2	5.4	6.2	5.2	2.0										
80	2.0	5.2	6.2	5.4	4.2	5.4	6.2	5.2	2.0										
70	1.9	1.1	1.3	1.3	1.2	1.0	0.6	0.2	0.2	0.6	1.0	1.2	1.3	1.3	1.1	1.9			
60		1.1	1.3	1.4	1.3	1.1	0.7	0.2	0.2	0.7	1.1	1.3	1.4	1.3	1.1				
50	2.0	1.1	1.4	1.5	1.5	1.2	0.8	0.3	0.3	0.8	1.2	1.5	1.5	1.4	1.1	2.0			
40		1.2	1.5	1.7	1.7	1.4	1.0	0.4	0.4	1.0	1.4	1.7	1.7	1.5	1.2				
30	2.0	1.2	1.6	1.9	2.0	2.1	1.5	0.5	0.5	1.5	2.1	2.0	1.9	1.6	1.2	2.0			
20		1.3	2.0	2.9	4.2	7.6	12.5	14.5	14.5	12.5	7.6	4.2	2.9	2.0	1.3				
10	2.3	1.7	4.9	15.2	48.5	308.7	2070.5	5325.3	5325.3	2070.5	308.7	48.5	15.2	4.9	1.7	2.3			
0		3.1	17.9	59.3	167.7	789.7	4953.9	11639.4	11639.4	4953.9	789.7	167.7	59.3	17.9	3.1				
-10	3.1	5.4	29.0	98.5	234.1	773.9	4013.4	9585.0	9585.0	4013.4	773.9	234.1	98.5	29.0	5.4	3.1			
-20		7.1	32.3	103.6	254.4	665.8	2475.7	5722.6	5722.6	2475.7	665.8	254.4	103.6	32.3	7.1				
-30	3.8	7.4	31.4	92.3	227.3	502.7	1310.6	2609.2	2609.2	1310.6	502.7	227.3	92.3	31.4	7.4	3.8			
-40		6.9	26.9	74.7	166.6	328.7	636.0	984.3	984.3	636.0	328.7	166.6	74.7	26.9	6.9				
-50	3.8	5.4	19.2	52.3	110.7	197.2	322.6	430.9	430.9	322.6	197.2	110.7	52.3	19.2	5.4	3.8			
-60		4.1	10.5	28.1	58.9	101.1	152.5	188.5	188.5	152.5	101.1	58.9	28.1	10.5	4.1				
-70	3.4	4.1	10.5	28.1	58.9	101.1	152.5	188.5	188.5	152.5	101.1	58.9	28.1	10.5	4.1	3.4			
-80		3.4	16.3	47.8	120.1	172.8	120.1	47.8	16.3	3.4									
-90	3.4	16.3	47.8	120.1	172.8	120.1	47.8	16.3	3.4										
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

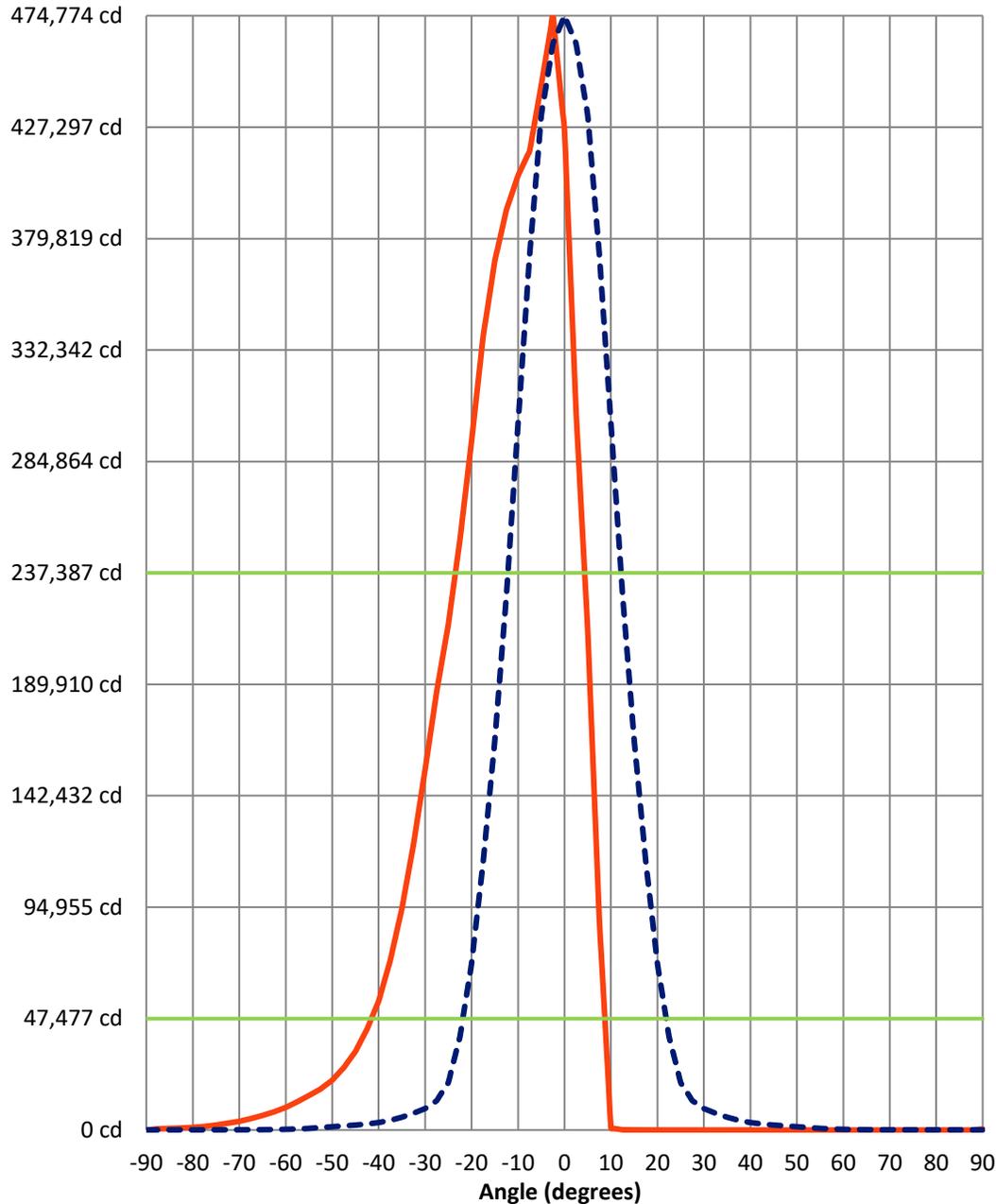
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CATALOG NUMBER: EPH-LS12-1000R-57-90-3S-ECV

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 24.4°
 V Angle: 27.8°
 Lumens: 54920.9
 Efficiency: 46.9%

Field:
 H Angle: 43.8°
 V Angle: 50.3°
 Lumens: 97706
 Efficiency: 83.5%

Spill:
 Lumens: 19280.7
 Efficiency: 16.5%

- 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°	96.7	102.1	107.6	122.6	137.6	152.6	167.6	180.5	193.4	206.4	219.3
87.5°	96.7	95.5	94.3	93.0	91.8	90.5	89.2	87.3	85.5	83.6	81.7
85°	96.7	95.5	94.4	93.1	91.9	90.6	89.2	87.4	85.5	83.6	81.8
82.5°	96.7	95.5	94.5	93.2	92.0	90.7	89.3	87.4	85.6	83.7	81.8
80°	96.7	95.5	94.5	93.4	92.1	90.8	89.3	87.5	85.7	83.8	82.0
77.5°	96.7	95.6	94.6	93.5	92.2	90.8	89.4	87.6	85.8	83.9	82.1
75°	96.7	95.6	94.7	93.6	92.3	90.8	89.5	87.7	85.9	84.1	82.3
72.5°	96.7	95.6	94.8	93.8	92.3	90.9	89.5	87.9	86.1	84.3	82.5
70°	96.7	95.7	94.9	93.9	92.3	90.9	89.6	88.1	86.3	84.5	82.7
67.5°	96.7	95.7	95.0	93.9	92.3	90.9	89.8	88.3	86.5	84.7	83.0
65°	96.7	95.7	95.1	93.8	92.3	91.1	89.9	88.5	86.8	85.0	83.3
62.5°	96.7	95.8	95.2	93.8	92.3	91.2	90.1	88.7	87.0	85.3	83.6
60°	96.7	95.8	95.3	93.8	92.4	91.4	90.3	89.0	87.3	85.6	84.0
57.5°	96.7	95.8	95.3	93.8	92.6	91.7	90.5	89.3	87.7	86.0	84.4
55°	96.7	95.9	95.3	93.8	92.8	91.9	90.7	89.5	88.0	86.4	85.0
52.5°	96.7	95.9	95.3	93.9	93.0	92.2	91.0	89.8	88.4	87.0	85.6
50°	96.7	96.0	95.3	93.9	93.2	92.4	91.2	90.1	88.8	87.7	86.1
47.5°	96.7	96.0	95.3	93.9	93.5	92.6	91.5	90.4	89.5	88.4	86.7
45°	96.7	96.0	95.3	94.1	93.7	92.8	91.8	90.8	90.0	88.9	87.3
42.5°	96.7	96.1	95.3	94.3	94.0	93.0	92.1	91.3	90.6	89.5	87.9
40°	96.7	96.1	95.4	94.6	94.2	93.3	92.5	91.7	91.1	90.1	88.6
37.5°	96.7	96.2	95.4	94.8	94.4	93.5	92.9	92.2	91.6	90.7	89.3
35°	96.7	96.2	95.5	95.0	94.6	93.8	93.3	92.7	92.2	91.3	90.0
32.5°	96.7	96.2	95.5	95.2	94.9	94.2	93.8	93.1	92.8	92.1	90.9
30°	96.7	96.3	95.6	95.5	95.1	94.5	94.2	93.6	93.5	92.9	92.0
27.5°	96.7	96.3	95.6	95.7	95.5	94.9	94.6	94.2	94.2	93.8	93.2
25°	96.7	96.3	95.7	96.0	95.9	95.3	95.0	94.8	95.0	94.8	94.5
22.5°	96.7	96.4	95.8	96.2	96.4	95.8	95.4	95.4	95.8	95.9	96.0
20°	96.7	96.4	95.9	96.5	96.9	96.8	95.8	96.1	96.6	97.1	97.6
17.5°	96.7	96.5	96.0	96.7	97.5	97.7	96.8	96.7	97.5	98.4	99.2
15°	96.7	96.5	96.1	97.0	98.0	98.8	98.3	98.1	98.4	99.7	100.9
12.5°	96.7	96.5	96.2	97.2	98.6	99.8	99.9	100.5	100.6	101.0	102.6
10°	96.7	96.6	96.3	97.5	99.3	100.9	101.6	102.9	104.0	105.4	106.5
7.5°	96.7	96.6	96.4	97.7	99.9	101.9	103.3	105.3	107.4	110.3	115.2
5°	96.7	96.6	96.5	97.9	100.5	103.0	105.0	107.8	110.8	115.2	124.3
2.5°	96.7	96.7	96.6	98.2	101.1	104.1	106.7	110.2	114.2	120.2	133.5
0°	96.7	96.7	96.7	98.4	101.7	105.1	108.4	112.6	117.6	125.1	142.6
-2.5°	96.7	97.0	97.5	99.8	103.7	108.8	114.3	120.8	129.1	144.6	178.4
-5°	96.7	97.3	98.2	101.1	105.8	112.4	120.1	128.9	140.3	163.6	212.9
-7.5°	96.7	97.6	99.0	102.4	107.7	115.8	125.7	136.8	151.3	181.7	245.2
-10°	96.7	97.9	99.7	103.7	109.6	119.2	131.1	144.5	161.8	198.4	274.3
-12.5°	96.7	98.2	100.5	105.0	111.5	122.3	136.2	151.8	171.7	216.2	319.2
-15°	96.7	98.5	101.2	106.2	113.3	125.3	141.0	158.6	186.9	250.7	367.8
-17.5°	96.7	98.8	101.9	107.4	115.0	127.9	145.3	169.0	208.0	280.9	409.4
-20°	96.7	99.1	102.6	108.5	116.6	130.3	150.9	181.6	226.7	306.4	443.2



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 CATALOG NUMBER: EPH-LS12-1000R-57-90-3S-ECV

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	96.7	99.4	103.2	109.6	118.1	132.4	158.4	192.8	242.6	326.6	468.3
-25°	96.7	99.6	103.8	110.6	119.6	136.4	165.3	202.6	255.6	340.8	484.0
-27.5°	96.7	99.9	104.5	111.5	120.9	140.9	171.3	210.8	265.2	351.7	500.3
-30°	96.7	100.1	105.0	112.4	122.3	145.0	176.4	217.2	273.7	362.8	508.3
-32.5°	96.7	100.4	105.6	113.2	125.5	148.6	180.7	223.0	281.0	369.1	507.4
-35°	96.7	100.6	106.1	113.9	128.4	151.8	184.7	227.7	285.8	370.3	497.2
-37.5°	96.7	100.8	106.5	114.5	131.0	154.8	188.2	231.0	288.0	366.4	502.2
-40°	96.7	101.0	107.0	115.1	133.3	157.9	191.0	233.0	287.6	364.1	503.3
-42.5°	96.7	101.2	107.4	115.9	135.4	160.5	193.1	233.6	287.2	365.1	493.7
-45°	96.7	101.4	107.7	117.3	137.2	162.5	194.5	233.9	286.2	360.2	475.5
-47.5°	96.7	101.5	108.0	118.5	138.8	164.1	195.2	234.5	283.4	348.8	460.5
-50°	96.7	101.7	108.3	119.7	140.1	165.2	196.1	234.3	278.0	341.2	437.0
-52.5°	96.7	101.8	108.5	120.8	141.1	165.7	196.4	233.1	273.4	329.8	407.3
-55°	96.7	101.9	108.7	121.8	141.8	166.2	196.1	231.1	268.7	314.6	387.3
-57.5°	96.7	102.0	108.9	122.6	142.2	166.4	195.0	229.2	262.4	303.9	362.9
-60°	96.7	102.1	109.0	123.3	142.4	166.2	193.4	225.5	255.1	293.4	339.3
-62.5°	96.7	102.2	109.1	123.9	142.9	165.5	192.0	220.9	249.0	281.1	323.4
-65°	96.7	102.3	109.1	124.3	143.2	164.5	190.1	216.0	242.1	271.4	305.6
-67.5°	96.7	102.3	109.1	124.6	143.2	163.6	187.7	212.0	234.5	261.7	291.4
-70°	96.7	102.4	109.1	124.7	143.1	163.1	184.9	207.5	229.1	251.3	278.6
-72.5°	96.7	102.4	109.0	124.8	142.8	162.2	183.1	202.8	223.5	244.5	266.0
-75°	96.7	102.4	108.9	124.8	142.3	161.1	181.2	199.4	217.5	237.5	257.9
-77.5°	96.7	102.4	108.7	124.7	141.8	159.8	179.0	196.4	213.5	230.9	249.4
-80°	96.7	102.3	108.6	124.5	141.2	158.6	176.5	193.1	209.6	226.3	243.1
-82.5°	96.7	102.3	108.4	124.1	140.5	157.3	174.5	189.9	205.4	221.3	237.4
-85°	96.7	102.3	108.1	123.7	139.7	155.9	172.4	186.9	201.6	216.5	231.5
-87.5°	96.7	102.2	107.9	123.2	138.7	154.3	170.1	183.8	197.6	211.5	225.5
-90°	96.7	95.5	94.2	93.0	91.7	90.5	89.2	87.3	85.5	83.6	81.7



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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°	226.6	233.9	241.2	248.5	253.5	258.5	263.5	268.5	276.0	283.5	291.0
87.5°	79.2	76.7	74.2	71.7	68.6	65.5	62.4	59.2	55.9	52.6	49.3
85°	79.3	76.8	74.3	71.7	68.6	65.5	62.4	59.3	56.0	52.7	49.4
82.5°	79.3	76.7	74.1	71.4	68.4	65.4	62.4	59.5	56.2	52.9	49.5
80°	79.4	76.7	74.1	71.6	68.7	65.8	62.8	59.7	56.5	53.1	49.8
77.5°	79.6	77.1	74.6	72.2	69.4	66.3	63.2	60.1	56.8	53.5	50.1
75°	80.0	77.5	75.1	72.6	69.8	66.7	63.6	60.4	57.2	53.9	50.5
72.5°	80.3	77.9	75.4	73.0	70.2	67.1	64.0	60.9	57.7	54.3	51.0
70°	80.6	78.2	75.8	73.4	70.7	67.6	64.4	61.3	58.2	54.9	51.5
67.5°	81.0	78.6	76.2	73.8	71.0	67.8	64.8	61.9	58.9	55.5	52.2
65°	81.4	79.1	76.6	73.9	71.1	68.5	65.7	62.7	59.6	56.3	52.9
62.5°	81.9	79.5	77.0	74.4	72.1	69.6	66.6	63.5	60.4	57.1	53.7
60°	82.3	80.0	77.6	75.3	73.1	70.4	67.4	64.3	61.2	58.0	54.6
57.5°	82.7	80.7	78.4	76.1	73.8	71.3	68.3	65.3	62.2	59.0	55.6
55°	83.3	81.4	79.1	76.9	74.5	72.2	69.3	66.3	63.2	60.1	56.7
52.5°	83.8	82.0	79.9	77.6	75.4	73.0	70.4	67.4	64.3	61.2	57.9
50°	84.4	82.6	80.7	78.5	76.3	74.0	71.6	68.6	65.6	62.5	59.3
47.5°	85.0	83.3	81.5	79.4	77.2	75.0	72.7	69.9	66.9	63.8	60.6
45°	85.7	84.0	82.3	80.4	78.2	76.0	73.8	71.4	68.4	65.3	62.1
42.5°	86.4	84.8	83.2	81.4	79.3	77.3	75.2	72.7	69.9	66.9	63.7
40°	87.1	85.6	84.1	82.4	80.5	78.8	76.4	74.0	71.6	68.6	65.5
37.5°	87.9	86.6	85.2	83.6	82.1	80.1	77.6	75.6	73.3	70.5	67.4
35°	88.7	87.6	86.4	84.9	83.6	81.2	79.2	77.3	75.1	72.5	69.6
32.5°	89.6	88.8	87.7	86.3	84.7	82.5	81.1	79.4	77.1	74.5	72.3
30°	90.9	90.1	89.1	87.7	85.8	84.4	83.2	81.6	79.2	77.1	75.1
27.5°	92.5	91.4	90.4	89.0	87.2	86.2	85.3	83.7	81.6	79.9	78.2
25°	94.2	93.6	91.6	90.3	89.0	88.3	87.6	86.0	84.3	83.1	81.6
22.5°	96.1	95.9	94.5	91.7	90.9	90.5	90.0	88.9	87.9	86.8	85.3
20°	98.1	98.5	97.9	96.5	93.9	92.9	92.6	92.3	92.4	92.7	91.9
17.5°	100.3	101.3	101.9	102.8	103.7	101.2	95.5	95.9	97.4	100.5	106.3
15°	102.6	104.4	106.3	110.4	115.7	119.7	120.0	110.2	103.8	111.4	126.2
12.5°	105.0	107.6	111.1	119.0	129.4	141.8	156.3	168.3	169.3	153.7	153.4
10°	107.4	110.9	116.2	128.2	144.3	166.8	198.5	237.1	275.2	317.3	352.5
7.5°	121.0	125.9	129.0	137.9	160.0	193.6	244.7	313.6	393.7	503.6	647.7
5°	137.0	154.4	185.0	226.7	292.4	344.6	375.7	398.5	519.5	703.7	972.0
2.5°	153.2	183.6	243.0	330.6	505.0	695.5	863.9	1023.8	1224.1	1470.7	1810.9
0°	169.3	212.6	301.0	434.4	718.7	1048.9	1354.9	1651.7	2042.8	2498.8	3076.7
-2.5°	232.7	310.4	459.4	713.7	1061.1	1423.2	1786.5	2125.4	2586.3	3215.6	4141.0
-5°	293.7	404.6	610.5	978.2	1388.9	1783.7	2201.0	2583.3	3138.3	3923.9	5047.1
-7.5°	350.6	493.0	749.6	1206.6	1665.3	2123.0	2654.8	3193.3	3835.3	4665.8	5792.9
-10°	405.4	586.4	871.6	1338.5	1863.0	2423.1	3074.8	3753.7	4485.6	5355.7	6471.0
-12.5°	478.7	682.9	980.5	1449.3	2026.1	2674.4	3431.6	4249.7	5081.2	5989.3	7063.4
-15°	544.0	768.9	1075.4	1537.2	2149.0	2867.5	3713.6	4669.8	5559.1	6414.9	7474.8
-17.5°	599.8	843.0	1155.0	1600.4	2226.6	2994.6	3877.5	4838.9	5822.0	6743.0	7840.6
-20°	645.3	903.9	1218.0	1637.7	2260.9	3028.8	3860.2	4836.7	5929.8	7007.3	8075.5



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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°	679.4	950.6	1271.4	1688.8	2282.6	3008.4	3814.8	4739.1	5894.8	7193.6	8331.2
-25°	704.8	986.1	1317.9	1735.4	2281.1	2959.1	3739.0	4563.9	5720.3	7191.4	8624.4
-27.5°	721.0	1005.9	1349.6	1758.4	2257.8	2895.7	3648.3	4447.1	5558.9	7042.9	8731.4
-30°	724.0	1015.5	1360.3	1762.7	2251.4	2846.3	3533.3	4396.4	5350.5	6748.7	8398.3
-32.5°	721.5	1011.4	1356.8	1757.2	2227.9	2774.1	3455.3	4314.9	5252.5	6305.2	7893.3
-35°	719.7	1004.5	1337.9	1725.8	2177.8	2720.4	3389.2	4174.4	5096.6	6062.6	7284.7
-37.5°	717.3	985.7	1301.1	1677.4	2117.5	2654.4	3272.3	4019.2	4874.1	5844.6	6870.9
-40°	704.4	954.9	1262.5	1617.7	2040.8	2555.7	3150.1	3825.5	4616.7	5541.6	6560.0
-42.5°	682.4	928.3	1215.2	1541.0	1955.3	2430.8	2983.3	3620.7	4344.5	5188.3	6132.8
-45°	658.3	889.7	1157.2	1478.4	1853.8	2286.9	2798.7	3380.7	4062.8	4801.9	5661.7
-47.5°	621.1	840.2	1098.5	1394.5	1744.7	2145.7	2590.7	3141.5	3758.9	4438.9	5154.6
-50°	576.3	779.6	1021.3	1298.4	1623.1	1990.7	2404.2	2887.6	3448.6	4062.0	4720.8
-52.5°	536.2	704.0	928.2	1183.3	1482.9	1824.3	2208.2	2648.1	3137.0	3674.3	4276.2
-55°	486.4	636.1	821.3	1055.3	1322.1	1634.8	1990.8	2387.7	2822.9	3305.1	3818.3
-57.5°	445.6	563.7	722.6	915.7	1154.3	1424.5	1758.7	2105.1	2493.0	2917.3	3365.8
-60°	409.3	499.2	627.0	789.5	977.5	1226.2	1516.0	1834.1	2165.3	2509.5	2912.4
-62.5°	372.2	445.4	541.5	667.1	828.2	1021.9	1271.1	1550.6	1850.6	2155.3	2476.4
-65°	349.0	393.1	465.8	563.9	678.7	846.4	1040.0	1254.9	1512.3	1771.8	2046.0
-67.5°	322.7	359.9	404.3	463.0	560.1	683.2	817.7	996.6	1192.8	1387.3	1591.1
-70°	304.2	326.2	360.2	402.8	456.6	537.6	650.5	772.7	906.3	1062.1	1236.8
-72.5°	287.0	306.9	327.3	348.2	391.9	450.7	515.6	586.2	686.4	811.5	940.1
-75°	273.7	287.5	305.2	323.8	349.6	382.1	420.0	475.7	545.5	625.2	708.1
-77.5°	263.4	276.0	288.8	301.6	320.4	346.2	374.4	404.9	447.9	498.5	552.6
-80°	254.1	264.3	275.7	287.3	302.5	319.5	337.8	357.4	386.1	420.8	460.3
-82.5°	247.2	256.5	265.9	275.4	286.3	297.9	310.4	324.9	346.9	371.0	396.2
-85°	240.2	248.6	257.2	265.8	274.5	283.6	293.0	302.7	318.1	334.2	350.8
-87.5°	233.5	241.3	249.2	257.0	263.7	270.5	277.4	284.3	295.2	306.4	317.7
-90°	79.2	76.7	74.2	71.7	68.6	65.5	62.3	59.2	55.9	52.6	49.2



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	298.5	308.7	318.9	329.1	339.3	352.7	366.0	379.4	392.7	409.4	426.1
87.5°	45.9	42.6	39.2	35.9	32.5	29.2	25.9	22.5	19.2	16.1	13.0
85°	46.0	42.7	39.3	36.0	32.6	29.1	25.6	22.0	18.4	15.3	12.1
82.5°	46.2	42.8	39.5	36.1	32.8	29.2	25.6	22.1	18.5	15.5	12.6
80°	46.4	43.1	39.7	36.3	33.0	29.4	25.8	22.2	18.6	15.4	12.3
77.5°	46.8	43.4	40.0	36.6	33.2	29.6	26.0	22.4	18.8	15.5	12.3
75°	47.1	43.8	40.4	37.0	33.5	30.0	26.3	22.7	19.0	15.7	12.5
72.5°	47.6	44.2	40.8	37.3	33.7	30.0	26.4	22.8	19.2	16.1	13.0
70°	48.1	44.7	41.1	37.4	33.7	30.1	26.6	23.1	19.5	16.2	12.9
67.5°	48.8	45.3	41.6	37.9	34.2	30.6	27.0	23.5	19.9	16.4	13.1
65°	49.5	46.0	42.3	38.6	34.9	31.1	27.5	23.9	20.3	16.7	13.3
62.5°	50.3	46.8	43.1	39.4	35.6	31.7	28.1	24.4	20.7	17.1	13.6
60°	51.2	47.7	44.0	40.2	36.4	32.5	28.7	25.0	21.2	17.5	13.9
57.5°	52.2	48.6	45.0	41.2	37.3	33.3	29.5	25.7	21.8	18.0	14.3
55°	53.2	49.7	46.1	42.3	38.3	34.3	30.3	26.4	22.5	18.5	14.7
52.5°	54.5	50.9	47.3	43.4	39.4	35.3	31.2	27.2	23.2	19.1	15.2
50°	55.8	52.2	48.6	44.8	40.7	36.5	32.3	28.3	24.2	19.9	15.8
47.5°	57.2	53.7	50.0	46.2	42.1	38.0	34.0	29.8	25.2	20.7	16.4
45°	58.8	55.2	51.5	47.7	43.8	39.6	35.1	30.4	26.1	21.6	17.1
42.5°	60.5	57.0	53.2	49.4	45.4	41.0	36.7	32.4	27.6	22.7	17.8
40°	62.3	58.9	55.1	51.3	47.2	42.9	38.4	33.5	28.5	23.7	18.8
37.5°	64.3	60.9	57.4	53.7	49.4	44.8	40.0	35.1	30.0	25.1	19.9
35°	66.7	63.6	60.3	56.1	51.8	47.2	42.5	37.9	32.5	27.5	21.9
32.5°	69.6	66.6	62.9	59.3	55.2	51.3	46.9	42.7	37.3	32.1	26.9
30°	72.7	69.6	67.3	64.0	60.7	57.4	54.1	50.2	46.0	40.7	32.8
27.5°	76.0	74.9	73.4	69.6	67.4	64.9	62.5	58.8	51.7	45.2	33.8
25°	80.2	81.2	78.1	75.9	74.9	73.5	68.8	62.0	51.2	40.0	29.6
22.5°	85.5	85.2	83.8	83.2	84.9	81.3	72.4	61.9	47.5	35.9	27.6
20°	90.3	90.1	93.4	98.3	97.0	92.5	78.8	63.6	48.9	42.8	37.1
17.5°	106.4	100.2	111.6	125.0	122.7	102.6	90.5	73.4	63.6	58.7	50.9
15°	136.6	150.1	157.8	159.2	157.1	138.7	112.9	109.5	100.5	97.4	89.0
12.5°	184.1	229.9	284.2	318.8	214.7	199.3	235.1	248.0	208.3	183.2	182.7
10°	370.5	336.2	485.2	776.0	1312.9	1686.6	666.2	1892.2	3854.9	3294.1	1942.6
7.5°	887.7	1157.5	1378.9	1774.9	3405.3	7058.5	11594.6	16989.0	28249.3	35228.2	48941.6
5°	1478.0	2165.0	2930.6	4198.6	7142.1	14492.9	27408.9	43813.7	62796.1	89650.5	122320.5
2.5°	2511.9	3568.7	4751.1	6810.6	11107.1	22348.8	41611.4	70273.5	100053.8	138888.8	183740.4
0°	4142.2	5823.1	7458.2	10357.2	18598.3	37822.0	64450.5	105446.7	149191.1	205361.7	267578.9
-2.5°	5477.2	7174.2	9163.9	12569.1	20310.3	39829.6	70983.1	114408.1	166093.6	228127.1	301071.1
-5°	6517.1	8349.4	10645.6	14128.2	21748.9	39143.6	68815.3	112657.9	166141.4	224370.5	290902.0
-7.5°	7312.4	9313.4	11852.4	15326.1	22479.6	38564.9	68182.6	111405.3	162315.2	220925.3	282204.3
-10°	7977.8	10048.4	12795.0	16628.6	23454.2	37123.3	62888.2	105553.2	157896.1	215331.4	275380.5
-12.5°	8553.6	10634.3	13358.4	17103.5	23180.7	36178.8	59914.8	96132.3	146026.0	205058.1	261501.9
-15°	9001.7	11069.3	13709.6	17801.7	24601.5	35645.6	53649.7	86307.9	130235.5	183678.7	240020.2
-17.5°	9350.5	11371.9	14127.9	18080.4	24313.8	34360.5	51794.4	76861.4	114458.6	161185.7	209553.0
-20°	9543.1	11553.3	14186.3	17897.4	23926.4	33498.8	47472.9	70438.8	100822.4	139514.4	180463.5



REPORT NUMBER: P1212219 (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°	9812.6	11690.4	14037.7	17419.9	23215.0	31573.4	44279.6	64641.6	89936.4	122265.4	157240.9
-25°	9979.1	11658.5	13960.3	17363.1	21924.1	29100.3	41694.1	57894.9	80707.8	107418.9	137351.4
-27.5°	10111.6	11702.9	13810.2	16782.5	20733.8	27434.3	37700.9	50931.0	70672.2	92755.3	118328.2
-30°	10185.2	11658.0	13559.3	15927.0	19886.1	25542.9	33162.5	45041.7	60088.9	77558.1	98702.6
-32.5°	9705.8	11542.3	13165.5	15373.4	18650.4	23225.5	29093.7	39014.5	50437.6	64360.4	80307.9
-35°	9007.9	10863.5	12767.8	14781.4	17416.3	20934.8	26370.9	33583.3	41705.2	52768.4	64701.3
-37.5°	8155.2	9916.6	11846.2	13949.0	16162.2	18936.2	23425.0	28879.8	35175.8	43139.3	51757.5
-40°	7598.3	8796.1	10658.2	12640.8	14691.6	17341.3	20731.9	24575.4	29368.9	35184.1	41216.7
-42.5°	7159.9	8232.1	9395.1	11064.6	13038.1	15526.9	18234.2	21153.4	24876.3	28997.8	33174.7
-45°	6598.5	7641.0	8725.2	9869.1	11230.2	13311.1	15639.4	18191.4	21093.7	24132.7	27002.3
-47.5°	6020.9	6953.9	7952.6	8991.1	10228.3	11621.5	13126.7	15051.2	17545.7	20013.5	22133.2
-50°	5450.0	6250.2	7144.7	8083.8	9144.8	10294.7	11510.6	13127.4	14907.0	16740.6	18180.4
-52.5°	4914.6	5616.3	6354.2	7149.0	8048.3	8985.4	9985.6	11338.8	12756.1	14202.9	15226.0
-55°	4384.6	4992.9	5624.9	6317.8	7041.0	7779.4	8631.2	9728.6	10846.8	11971.7	12739.3
-57.5°	3854.2	4372.3	4923.9	5516.1	6125.9	6748.4	7447.3	8248.3	9100.7	9962.3	10581.2
-60°	3327.7	3753.4	4233.4	4737.3	5248.0	5762.8	6360.2	6973.0	7582.3	8149.7	8599.6
-62.5°	2819.4	3191.5	3580.0	3988.5	4414.8	4858.4	5347.1	5843.5	6341.4	6774.9	7076.0
-65°	2336.1	2642.2	2948.3	3267.4	3597.8	3961.0	4362.8	4763.8	5160.4	5494.7	5749.1
-67.5°	1831.2	2082.3	2333.1	2578.5	2834.8	3117.2	3431.5	3745.6	4056.3	4311.0	4513.8
-70°	1409.0	1582.4	1763.1	1957.7	2170.7	2397.9	2641.2	2876.0	3101.8	3274.9	3414.6
-72.5°	1071.7	1207.4	1350.5	1504.8	1658.2	1832.7	2022.7	2211.8	2398.8	2536.3	2651.2
-75°	793.7	889.7	1004.0	1119.3	1235.1	1368.3	1510.8	1654.4	1797.8	1899.6	1986.4
-77.5°	617.4	690.0	764.5	840.1	916.2	1004.1	1095.5	1186.8	1277.6	1343.9	1404.1
-80°	502.3	551.1	601.8	653.4	705.5	767.1	830.6	894.5	958.3	1004.1	1047.1
-82.5°	422.5	455.6	490.2	525.7	561.8	605.4	650.0	694.8	739.6	771.6	802.3
-85°	367.9	390.3	413.5	437.0	460.8	490.7	521.2	552.1	583.1	607.2	630.8
-87.5°	329.1	344.8	360.6	376.7	392.8	411.5	430.1	448.9	467.6	488.1	508.6
-90°	45.9	42.6	39.2	35.9	32.5	29.2	25.9	22.5	19.2	16.1	13.0



REPORT NUMBER: P1212219 (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°	442.7	459.4	454.4	449.4	454.4	459.4	442.7	426.1	409.4	392.7	379.4
87.5°	9.8	6.7	4.2	1.7	4.2	6.7	9.8	13.0	16.1	19.2	22.5
85°	9.0	5.8	3.8	1.7	3.8	5.8	9.0	12.1	15.3	18.4	22.0
82.5°	9.7	6.7	4.2	1.7	4.2	6.7	9.7	12.6	15.5	18.5	22.1
80°	9.1	5.9	3.8	1.7	3.8	5.9	9.1	12.3	15.4	18.6	22.2
77.5°	9.1	6.0	3.4	0.8	3.4	6.0	9.1	12.3	15.5	18.8	22.4
75°	9.3	6.0	3.4	0.8	3.4	6.0	9.3	12.5	15.7	19.0	22.7
72.5°	10.0	7.0	4.7	2.5	4.7	7.0	10.0	13.0	16.1	19.2	22.8
70°	9.6	6.2	3.5	0.8	3.5	6.2	9.6	12.9	16.2	19.5	23.1
67.5°	9.7	6.3	3.5	0.8	3.5	6.3	9.7	13.1	16.4	19.9	23.5
65°	9.9	6.4	3.6	0.8	3.6	6.4	9.9	13.3	16.7	20.3	23.9
62.5°	10.1	6.6	3.6	0.8	3.6	6.6	10.1	13.6	17.1	20.7	24.4
60°	10.4	6.8	3.7	0.8	3.7	6.8	10.4	13.9	17.5	21.2	25.0
57.5°	10.6	7.0	3.4	0.0	3.4	7.0	10.6	14.3	18.0	21.8	25.7
55°	11.0	7.2	3.5	0.0	3.5	7.2	11.0	14.7	18.5	22.5	26.4
52.5°	11.3	7.4	3.9	0.8	3.9	7.4	11.3	15.2	19.1	23.2	27.2
50°	11.7	7.7	4.1	0.8	4.1	7.7	11.7	15.8	19.9	24.2	28.3
47.5°	12.2	8.0	3.9	0.0	3.9	8.0	12.2	16.4	20.7	25.2	29.8
45°	12.7	8.4	4.3	0.8	4.3	8.4	12.7	17.1	21.6	26.1	30.4
42.5°	13.3	8.8	4.3	0.0	4.3	8.8	13.3	17.8	22.7	27.6	32.4
40°	14.0	9.2	4.7	0.8	4.7	9.2	14.0	18.8	23.7	28.5	33.5
37.5°	14.8	9.8	4.9	0.8	4.9	9.8	14.8	19.9	25.1	30.0	35.1
35°	16.2	10.7	5.2	0.8	5.2	10.7	16.2	21.9	27.5	32.5	37.9
32.5°	20.7	14.2	7.0	0.8	7.0	14.2	20.7	26.9	32.1	37.3	42.7
30°	24.3	16.8	9.1	0.0	9.1	16.8	24.3	32.8	40.7	46.0	50.2
27.5°	23.8	15.0	6.5	2.5	6.5	15.0	23.8	33.8	45.2	51.7	58.8
25°	21.1	13.4	6.1	0.0	6.1	13.4	21.1	29.6	40.0	51.2	62.0
22.5°	23.5	18.6	13.5	10.0	13.5	18.6	23.5	27.6	35.9	47.5	61.9
20°	31.9	26.1	20.2	16.7	20.2	26.1	31.9	37.1	42.8	48.9	63.6
17.5°	48.1	41.6	35.6	30.8	35.6	41.6	48.1	50.9	58.7	63.6	73.4
15°	84.9	77.5	68.7	61.7	68.7	77.5	84.9	89.0	97.4	100.5	109.5
12.5°	160.9	146.8	134.1	119.7	134.1	146.8	160.9	182.7	183.2	208.3	248.0
10°	3983.6	3644.4	4025.3	862.1	4025.3	3644.4	3983.6	1942.6	3294.1	3854.9	1892.2
7.5°	61702.1	85180.7	92257.4	89738.3	92257.4	85180.7	61702.1	48941.6	35228.2	28249.3	16989.0
5°	154789.9	191576.5	210917.0	212632.7	210917.0	191576.5	154789.9	122320.5	89650.5	62796.1	43813.7
2.5°	231783.3	270302.4	294467.0	305927.0	294467.0	270302.4	231783.3	183740.4	138888.8	100053.8	70273.5
0°	328106.4	373323.2	408737.7	425844.0	408737.7	373323.2	328106.4	267578.9	205361.7	149191.1	105446.7
-2.5°	372951.8	432217.9	462715.2	474774.0	462715.2	432217.9	372951.8	301071.1	228127.1	166093.6	114408.1
-5°	350567.5	403235.2	433033.8	445297.8	433033.8	403235.2	350567.5	290902.0	224370.5	166141.4	112657.9
-7.5°	339297.7	384483.3	409124.3	417251.9	409124.3	384483.3	339297.7	282204.3	220925.3	162315.2	111405.3
-10°	329093.4	371868.4	397678.6	406662.8	397678.6	371868.4	329093.4	275380.5	215331.4	157896.1	105553.2
-12.5°	314945.7	356290.3	381883.1	392067.9	381883.1	356290.3	314945.7	261501.9	205058.1	146026.0	96132.3
-15°	292407.6	334422.4	360095.8	370318.3	360095.8	334422.4	292407.6	240020.2	183678.7	130235.5	86307.9
-17.5°	258654.1	302615.6	327896.2	338266.1	327896.2	302615.6	258654.1	209553.0	161185.7	114458.6	76861.4
-20°	222773.6	261248.2	284253.2	293621.2	284253.2	261248.2	222773.6	180463.5	139514.4	100822.4	70438.8



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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	192739.9	222519.0	243112.0	251552.8	243112.0	222519.0	192739.9	157240.9	122265.4	89936.4	64641.6
-25°	168064.9	192183.4	210099.5	215494.2	210099.5	192183.4	168064.9	137351.4	107418.9	80707.8	57894.9
-27.5°	144544.2	164152.6	180819.4	186876.3	180819.4	164152.6	144544.2	118328.2	92755.3	70672.2	50931.0
-30°	120030.0	135240.7	148817.5	153585.1	148817.5	135240.7	120030.0	98702.6	77558.1	60088.9	45041.7
-32.5°	95702.1	107917.6	118578.5	121702.1	118578.5	107917.6	95702.1	80307.9	64360.4	50437.6	39014.5
-35°	75441.8	84447.6	92012.4	94367.4	92012.4	84447.6	75441.8	64701.3	52768.4	41705.2	33583.3
-37.5°	59180.0	65688.8	70834.2	72297.2	70834.2	65688.8	59180.0	51757.5	43139.3	35175.8	28879.8
-40°	46067.4	50553.8	53933.1	54962.9	53933.1	50553.8	46067.4	41216.7	35184.1	29368.9	24575.4
-42.5°	36466.3	39630.6	42010.8	43014.8	42010.8	39630.6	36466.3	33174.7	28997.8	24876.3	21153.4
-45°	29229.9	31298.9	32782.5	33486.3	32782.5	31298.9	29229.9	27002.3	24132.7	21093.7	18191.4
-47.5°	23851.0	25462.5	26423.4	26630.2	26423.4	25462.5	23851.0	22133.2	20013.5	17545.7	15051.2
-50°	19355.6	20465.9	21091.7	21241.4	21091.7	20465.9	19355.6	18180.4	16740.6	14907.0	13127.4
-52.5°	16076.1	16847.3	17305.6	17511.1	17305.6	16847.3	16076.1	15226.0	14202.9	12756.1	11338.8
-55°	13451.9	14115.7	14514.9	14726.3	14514.9	14115.7	13451.9	12739.3	11971.7	10846.8	9728.6
-57.5°	11153.8	11675.0	11946.8	12070.7	11946.8	11675.0	11153.8	10581.2	9962.3	9100.7	8248.3
-60°	9040.3	9460.5	9621.4	9651.9	9621.4	9460.5	9040.3	8599.6	8149.7	7582.3	6973.0
-62.5°	7350.6	7596.9	7710.1	7762.5	7710.1	7596.9	7350.6	7076.0	6774.9	6341.4	5843.5
-65°	5983.2	6194.9	6240.2	6225.8	6240.2	6194.9	5983.2	5749.1	5494.7	5160.4	4763.8
-67.5°	4700.2	4868.3	4897.9	4883.5	4897.9	4868.3	4700.2	4513.8	4311.0	4056.3	3745.6
-70°	3543.3	3660.2	3696.9	3711.2	3696.9	3660.2	3543.3	3414.6	3274.9	3101.8	2876.0
-72.5°	2758.9	2858.8	2900.7	2928.2	2900.7	2858.8	2758.9	2651.2	2536.3	2398.8	2211.8
-75°	2067.3	2141.7	2149.0	2144.5	2149.0	2141.7	2067.3	1986.4	1899.6	1797.8	1654.4
-77.5°	1461.6	1516.1	1527.1	1532.5	1527.1	1516.1	1461.6	1404.1	1343.9	1277.6	1186.8
-80°	1088.7	1128.7	1130.4	1128.9	1130.4	1128.7	1088.7	1047.1	1004.1	958.3	894.5
-82.5°	832.2	861.2	866.6	870.5	866.6	861.2	832.2	802.3	771.6	739.6	694.8
-85°	654.0	676.8	680.9	684.5	680.9	676.8	654.0	630.8	607.2	583.1	552.1
-87.5°	528.9	549.1	549.8	550.3	549.8	549.1	528.9	508.6	488.1	467.6	448.9
-90°	9.8	6.7	4.2	1.7	4.2	6.7	9.8	13.0	16.1	19.2	22.5



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	366.0	352.7	339.3	329.1	318.9	308.7	298.5	291.0	283.5	276.0	268.5
87.5°	25.9	29.2	32.5	35.9	39.2	42.6	45.9	49.3	52.6	55.9	59.2
85°	25.6	29.1	32.6	36.0	39.3	42.7	46.0	49.4	52.7	56.0	59.3
82.5°	25.6	29.2	32.8	36.1	39.5	42.8	46.2	49.5	52.9	56.2	59.5
80°	25.8	29.4	33.0	36.3	39.7	43.1	46.4	49.8	53.1	56.5	59.7
77.5°	26.0	29.6	33.2	36.6	40.0	43.4	46.8	50.1	53.5	56.8	60.1
75°	26.3	30.0	33.5	37.0	40.4	43.8	47.1	50.5	53.9	57.2	60.4
72.5°	26.4	30.0	33.7	37.3	40.8	44.2	47.6	51.0	54.3	57.7	60.9
70°	26.6	30.1	33.7	37.4	41.1	44.7	48.1	51.5	54.9	58.2	61.3
67.5°	27.0	30.6	34.2	37.9	41.6	45.3	48.8	52.2	55.5	58.9	61.9
65°	27.5	31.1	34.9	38.6	42.3	46.0	49.5	52.9	56.3	59.6	62.7
62.5°	28.1	31.7	35.6	39.4	43.1	46.8	50.3	53.7	57.1	60.4	63.5
60°	28.7	32.5	36.4	40.2	44.0	47.7	51.2	54.6	58.0	61.2	64.3
57.5°	29.5	33.3	37.3	41.2	45.0	48.6	52.2	55.6	59.0	62.2	65.3
55°	30.3	34.3	38.3	42.3	46.1	49.7	53.2	56.7	60.1	63.2	66.3
52.5°	31.2	35.3	39.4	43.4	47.3	50.9	54.5	57.9	61.2	64.3	67.4
50°	32.3	36.5	40.7	44.8	48.6	52.2	55.8	59.3	62.5	65.6	68.6
47.5°	34.0	38.0	42.1	46.2	50.0	53.7	57.2	60.6	63.8	66.9	69.9
45°	35.1	39.6	43.8	47.7	51.5	55.2	58.8	62.1	65.3	68.4	71.4
42.5°	36.7	41.0	45.4	49.4	53.2	57.0	60.5	63.7	66.9	69.9	72.7
40°	38.4	42.9	47.2	51.3	55.1	58.9	62.3	65.5	68.6	71.6	74.0
37.5°	40.0	44.8	49.4	53.7	57.4	60.9	64.3	67.4	70.5	73.3	75.6
35°	42.5	47.2	51.8	56.1	60.3	63.6	66.7	69.6	72.5	75.1	77.3
32.5°	46.9	51.3	55.2	59.3	62.9	66.6	69.6	72.3	74.5	77.1	79.4
30°	54.1	57.4	60.7	64.0	67.3	69.6	72.7	75.1	77.1	79.2	81.6
27.5°	62.5	64.9	67.4	69.6	73.4	74.9	76.0	78.2	79.9	81.6	83.7
25°	68.8	73.5	74.9	75.9	78.1	81.2	80.2	81.6	83.1	84.3	86.0
22.5°	72.4	81.3	84.9	83.2	83.8	85.2	85.5	85.3	86.8	87.9	88.9
20°	78.8	92.5	97.0	98.3	93.4	90.1	90.3	91.9	92.7	92.4	92.3
17.5°	90.5	102.6	122.7	125.0	111.6	100.2	106.4	106.3	100.5	97.4	95.9
15°	112.9	138.7	157.1	159.2	157.8	150.1	136.6	126.2	111.4	103.8	110.2
12.5°	235.1	199.3	214.7	318.8	284.2	229.9	184.1	153.4	153.7	169.3	168.3
10°	666.2	1686.6	1312.9	776.0	485.2	336.2	370.5	352.5	317.3	275.2	237.1
7.5°	11594.6	7058.5	3405.3	1774.9	1378.9	1157.5	887.7	647.7	503.6	393.7	313.6
5°	27408.9	14492.9	7142.1	4198.6	2930.6	2165.0	1478.0	972.0	703.7	519.5	398.5
2.5°	41611.4	22348.8	11107.1	6810.6	4751.1	3568.7	2511.9	1810.9	1470.7	1224.1	1023.8
0°	64450.5	37822.0	18598.3	10357.2	7458.2	5823.1	4142.2	3076.7	2498.8	2042.8	1651.7
-2.5°	70983.1	39829.6	20310.3	12569.1	9163.9	7174.2	5477.2	4141.0	3215.6	2586.3	2125.4
-5°	68815.3	39143.6	21748.9	14128.2	10645.6	8349.4	6517.1	5047.1	3923.9	3138.3	2583.3
-7.5°	68182.6	38564.9	22479.6	15326.1	11852.4	9313.4	7312.4	5792.9	4665.8	3835.3	3193.3
-10°	62888.2	37123.3	23454.2	16628.6	12795.0	10048.4	7977.8	6471.0	5355.7	4485.6	3753.7
-12.5°	59914.8	36178.8	23180.7	17103.5	13358.4	10634.3	8553.6	7063.4	5989.3	5081.2	4249.7
-15°	53649.7	35645.6	24601.5	17801.7	13709.6	11069.3	9001.7	7474.8	6414.9	5559.1	4669.8
-17.5°	51794.4	34360.5	24313.8	18080.4	14127.9	11371.9	9350.5	7840.6	6743.0	5822.0	4838.9
-20°	47472.9	33498.8	23926.4	17897.4	14186.3	11553.3	9543.1	8075.5	7007.3	5929.8	4836.7



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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°	44279.6	31573.4	23215.0	17419.9	14037.7	11690.4	9812.6	8331.2	7193.6	5894.8	4739.1
-25°	41694.1	29100.3	21924.1	17363.1	13960.3	11658.5	9979.1	8624.4	7191.4	5720.3	4563.9
-27.5°	37700.9	27434.3	20733.8	16782.5	13810.2	11702.9	10111.6	8731.4	7042.9	5558.9	4447.1
-30°	33162.5	25542.9	19886.1	15927.0	13559.3	11658.0	10185.2	8398.3	6748.7	5350.5	4396.4
-32.5°	29093.7	23225.5	18650.4	15373.4	13165.5	11542.3	9705.8	7893.3	6305.2	5252.5	4314.9
-35°	26370.9	20934.8	17416.3	14781.4	12767.8	10863.5	9007.9	7284.7	6062.6	5096.6	4174.4
-37.5°	23425.0	18936.2	16162.2	13949.0	11846.2	9916.6	8155.2	6870.9	5844.6	4874.1	4019.2
-40°	20731.9	17341.3	14691.6	12640.8	10658.2	8796.1	7598.3	6560.0	5541.6	4616.7	3825.5
-42.5°	18234.2	15526.9	13038.1	11064.6	9395.1	8232.1	7159.9	6132.8	5188.3	4344.5	3620.7
-45°	15639.4	13311.1	11230.2	9869.1	8725.2	7641.0	6598.5	5661.7	4801.9	4062.8	3380.7
-47.5°	13126.7	11621.5	10228.3	8991.1	7952.6	6953.9	6020.9	5154.6	4438.9	3758.9	3141.5
-50°	11510.6	10294.7	9144.8	8083.8	7144.7	6250.2	5450.0	4720.8	4062.0	3448.6	2887.6
-52.5°	9985.6	8985.4	8048.3	7149.0	6354.2	5616.3	4914.6	4276.2	3674.3	3137.0	2648.1
-55°	8631.2	7779.4	7041.0	6317.8	5624.9	4992.9	4384.6	3818.3	3305.1	2822.9	2387.7
-57.5°	7447.3	6748.4	6125.9	5516.1	4923.9	4372.3	3854.2	3365.8	2917.3	2493.0	2105.1
-60°	6360.2	5762.8	5248.0	4737.3	4233.4	3753.4	3327.7	2912.4	2509.5	2165.3	1834.1
-62.5°	5347.1	4858.4	4414.8	3988.5	3580.0	3191.5	2819.4	2476.4	2155.3	1850.6	1550.6
-65°	4362.8	3961.0	3597.8	3267.4	2948.3	2642.2	2336.1	2046.0	1771.8	1512.3	1254.9
-67.5°	3431.5	3117.2	2834.8	2578.5	2333.1	2082.3	1831.2	1591.1	1387.3	1192.8	996.6
-70°	2641.2	2397.9	2170.7	1957.7	1763.1	1582.4	1409.0	1236.8	1062.1	906.3	772.7
-72.5°	2022.7	1832.7	1658.2	1504.8	1350.5	1207.4	1071.7	940.1	811.5	686.4	586.2
-75°	1510.8	1368.3	1235.1	1119.3	1004.0	889.7	793.7	708.1	625.2	545.5	475.7
-77.5°	1095.5	1004.1	916.2	840.1	764.5	690.0	617.4	552.6	498.5	447.9	404.9
-80°	830.6	767.1	705.5	653.4	601.8	551.1	502.3	460.3	420.8	386.1	357.4
-82.5°	650.0	605.4	561.8	525.7	490.2	455.6	422.5	396.2	371.0	346.9	324.9
-85°	521.2	490.7	460.8	437.0	413.5	390.3	367.9	350.8	334.2	318.1	302.7
-87.5°	430.1	411.5	392.8	376.7	360.6	344.8	329.1	317.7	306.4	295.2	284.3
-90°	25.9	29.2	32.5	35.9	39.2	42.6	45.9	49.2	52.6	55.9	59.2



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	263.5	258.5	253.5	248.5	241.2	233.9	226.6	219.3	206.4	193.4	180.5
87.5°	62.4	65.5	68.6	71.7	74.2	76.7	79.2	81.7	83.6	85.5	87.3
85°	62.4	65.5	68.6	71.7	74.3	76.8	79.3	81.8	83.6	85.5	87.4
82.5°	62.4	65.4	68.4	71.4	74.1	76.7	79.3	81.8	83.7	85.6	87.4
80°	62.8	65.8	68.7	71.6	74.1	76.7	79.4	82.0	83.8	85.7	87.5
77.5°	63.2	66.3	69.4	72.2	74.6	77.1	79.6	82.1	83.9	85.8	87.6
75°	63.6	66.7	69.8	72.6	75.1	77.5	80.0	82.3	84.1	85.9	87.7
72.5°	64.0	67.1	70.2	73.0	75.4	77.9	80.3	82.5	84.3	86.1	87.9
70°	64.4	67.6	70.7	73.4	75.8	78.2	80.6	82.7	84.5	86.3	88.1
67.5°	64.8	67.8	71.0	73.8	76.2	78.6	81.0	83.0	84.7	86.5	88.3
65°	65.7	68.5	71.1	73.9	76.6	79.1	81.4	83.3	85.0	86.8	88.5
62.5°	66.6	69.6	72.1	74.4	77.0	79.5	81.9	83.6	85.3	87.0	88.7
60°	67.4	70.4	73.1	75.3	77.6	80.0	82.3	84.0	85.6	87.3	89.0
57.5°	68.3	71.3	73.8	76.1	78.4	80.7	82.7	84.4	86.0	87.7	89.3
55°	69.3	72.2	74.5	76.9	79.1	81.4	83.3	85.0	86.4	88.0	89.5
52.5°	70.4	73.0	75.4	77.6	79.9	82.0	83.8	85.6	87.0	88.4	89.8
50°	71.6	74.0	76.3	78.5	80.7	82.6	84.4	86.1	87.7	88.8	90.1
47.5°	72.7	75.0	77.2	79.4	81.5	83.3	85.0	86.7	88.4	89.5	90.4
45°	73.8	76.0	78.2	80.4	82.3	84.0	85.7	87.3	88.9	90.0	90.8
42.5°	75.2	77.3	79.3	81.4	83.2	84.8	86.4	87.9	89.5	90.6	91.3
40°	76.4	78.8	80.5	82.4	84.1	85.6	87.1	88.6	90.1	91.1	91.7
37.5°	77.6	80.1	82.1	83.6	85.2	86.6	87.9	89.3	90.7	91.6	92.2
35°	79.2	81.2	83.6	84.9	86.4	87.6	88.7	90.0	91.3	92.2	92.7
32.5°	81.1	82.5	84.7	86.3	87.7	88.8	89.6	90.9	92.1	92.8	93.1
30°	83.2	84.4	85.8	87.7	89.1	90.1	90.9	92.0	92.9	93.5	93.6
27.5°	85.3	86.2	87.2	89.0	90.4	91.4	92.5	93.2	93.8	94.2	94.2
25°	87.6	88.3	89.0	90.3	91.6	93.6	94.2	94.5	94.8	95.0	94.8
22.5°	90.0	90.5	90.9	91.7	94.5	95.9	96.1	96.0	95.9	95.8	95.4
20°	92.6	92.9	93.9	96.5	97.9	98.5	98.1	97.6	97.1	96.6	96.1
17.5°	95.5	101.2	103.7	102.8	101.9	101.3	100.3	99.2	98.4	97.5	96.7
15°	120.0	119.7	115.7	110.4	106.3	104.4	102.6	100.9	99.7	98.4	98.1
12.5°	156.3	141.8	129.4	119.0	111.1	107.6	105.0	102.6	101.0	100.6	100.5
10°	198.5	166.8	144.3	128.2	116.2	110.9	107.4	106.5	105.4	104.0	102.9
7.5°	244.7	193.6	160.0	137.9	129.0	125.9	121.0	115.2	110.3	107.4	105.3
5°	375.7	344.6	292.4	226.7	185.0	154.4	137.0	124.3	115.2	110.8	107.8
2.5°	863.9	695.5	505.0	330.6	243.0	183.6	153.2	133.5	120.2	114.2	110.2
0°	1354.9	1048.9	718.7	434.4	301.0	212.6	169.3	142.6	125.1	117.6	112.6
-2.5°	1786.5	1423.2	1061.1	713.7	459.4	310.4	232.7	178.4	144.6	129.1	120.8
-5°	2201.0	1783.7	1388.9	978.2	610.5	404.6	293.7	212.9	163.6	140.3	128.9
-7.5°	2654.8	2123.0	1665.3	1206.6	749.6	493.0	350.6	245.2	181.7	151.3	136.8
-10°	3074.8	2423.1	1863.0	1338.5	871.6	586.4	405.4	274.3	198.4	161.8	144.5
-12.5°	3431.6	2674.4	2026.1	1449.3	980.5	682.9	478.7	319.2	216.2	171.7	151.8
-15°	3713.6	2867.5	2149.0	1537.2	1075.4	768.9	544.0	367.8	250.7	186.9	158.6
-17.5°	3877.5	2994.6	2226.6	1600.4	1155.0	843.0	599.8	409.4	280.9	208.0	169.0
-20°	3860.2	3028.8	2260.9	1637.7	1218.0	903.9	645.3	443.2	306.4	226.7	181.6



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	3814.8	3008.4	2282.6	1688.8	1271.4	950.6	679.4	468.3	326.6	242.6	192.8
-25°	3739.0	2959.1	2281.1	1735.4	1317.9	986.1	704.8	484.0	340.8	255.6	202.6
-27.5°	3648.3	2895.7	2257.8	1758.4	1349.6	1005.9	721.0	500.3	351.7	265.2	210.8
-30°	3533.3	2846.3	2251.4	1762.7	1360.3	1015.5	724.0	508.3	362.8	273.7	217.2
-32.5°	3455.3	2774.1	2227.9	1757.2	1356.8	1011.4	721.5	507.4	369.1	281.0	223.0
-35°	3389.2	2720.4	2177.8	1725.8	1337.9	1004.5	719.7	497.2	370.3	285.8	227.7
-37.5°	3272.3	2654.4	2117.5	1677.4	1301.1	985.7	717.3	502.2	366.4	288.0	231.0
-40°	3150.1	2555.7	2040.8	1617.7	1262.5	954.9	704.4	503.3	364.1	287.6	233.0
-42.5°	2983.3	2430.8	1955.3	1541.0	1215.2	928.3	682.4	493.7	365.1	287.2	233.6
-45°	2798.7	2286.9	1853.8	1478.4	1157.2	889.7	658.3	475.5	360.2	286.2	233.9
-47.5°	2590.7	2145.7	1744.7	1394.5	1098.5	840.2	621.1	460.5	348.8	283.4	234.5
-50°	2404.2	1990.7	1623.1	1298.4	1021.3	779.6	576.3	437.0	341.2	278.0	234.3
-52.5°	2208.2	1824.3	1482.9	1183.3	928.2	704.0	536.2	407.3	329.8	273.4	233.1
-55°	1990.8	1634.8	1322.1	1055.3	821.3	636.1	486.4	387.3	314.6	268.7	231.1
-57.5°	1758.7	1424.5	1154.3	915.7	722.6	563.7	445.6	362.9	303.9	262.4	229.2
-60°	1516.0	1226.2	977.5	789.5	627.0	499.2	409.3	339.3	293.4	255.1	225.5
-62.5°	1271.1	1021.9	828.2	667.1	541.5	445.4	372.2	323.4	281.1	249.0	220.9
-65°	1040.0	846.4	678.7	563.9	465.8	393.1	349.0	305.6	271.4	242.1	216.0
-67.5°	817.7	683.2	560.1	463.0	404.3	359.9	322.7	291.4	261.7	234.5	212.0
-70°	650.5	537.6	456.6	402.8	360.2	326.2	304.2	278.6	251.3	229.1	207.5
-72.5°	515.6	450.7	391.9	348.2	327.3	306.9	287.0	266.0	244.5	223.5	202.8
-75°	420.0	382.1	349.6	323.8	305.2	287.5	273.7	257.9	237.5	217.5	199.4
-77.5°	374.4	346.2	320.4	301.6	288.8	276.0	263.4	249.4	230.9	213.5	196.4
-80°	337.8	319.5	302.5	287.3	275.7	264.3	254.1	243.1	226.3	209.6	193.1
-82.5°	310.4	297.9	286.3	275.4	265.9	256.5	247.2	237.4	221.3	205.4	189.9
-85°	293.0	283.6	274.5	265.8	257.2	248.6	240.2	231.5	216.5	201.6	186.9
-87.5°	277.4	270.5	263.7	257.0	249.2	241.3	233.5	225.5	211.5	197.6	183.8
-90°	62.3	65.5	68.6	71.7	74.2	76.7	79.2	81.7	83.6	85.5	87.3



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	167.6	152.6	137.6	122.6	107.6	102.1	96.7
87.5°	89.2	90.5	91.8	93.0	94.3	95.5	96.7
85°	89.2	90.6	91.9	93.1	94.4	95.5	96.7
82.5°	89.3	90.7	92.0	93.2	94.5	95.5	96.7
80°	89.3	90.8	92.1	93.4	94.5	95.5	96.7
77.5°	89.4	90.8	92.2	93.5	94.6	95.6	96.7
75°	89.5	90.8	92.3	93.6	94.7	95.6	96.7
72.5°	89.5	90.9	92.3	93.8	94.8	95.6	96.7
70°	89.6	90.9	92.3	93.9	94.9	95.7	96.7
67.5°	89.8	90.9	92.3	93.9	95.0	95.7	96.7
65°	89.9	91.1	92.3	93.8	95.1	95.7	96.7
62.5°	90.1	91.2	92.3	93.8	95.2	95.8	96.7
60°	90.3	91.4	92.4	93.8	95.3	95.8	96.7
57.5°	90.5	91.7	92.6	93.8	95.3	95.8	96.7
55°	90.7	91.9	92.8	93.8	95.3	95.9	96.7
52.5°	91.0	92.2	93.0	93.9	95.3	95.9	96.7
50°	91.2	92.4	93.2	93.9	95.3	96.0	96.7
47.5°	91.5	92.6	93.5	93.9	95.3	96.0	96.7
45°	91.8	92.8	93.7	94.1	95.3	96.0	96.7
42.5°	92.1	93.0	94.0	94.3	95.3	96.1	96.7
40°	92.5	93.3	94.2	94.6	95.4	96.1	96.7
37.5°	92.9	93.5	94.4	94.8	95.4	96.2	96.7
35°	93.3	93.8	94.6	95.0	95.5	96.2	96.7
32.5°	93.8	94.2	94.9	95.2	95.5	96.2	96.7
30°	94.2	94.5	95.1	95.5	95.6	96.3	96.7
27.5°	94.6	94.9	95.5	95.7	95.6	96.3	96.7
25°	95.0	95.3	95.9	96.0	95.7	96.3	96.7
22.5°	95.4	95.8	96.4	96.2	95.8	96.4	96.7
20°	95.8	96.8	96.9	96.5	95.9	96.4	96.7
17.5°	96.8	97.7	97.5	96.7	96.0	96.5	96.7
15°	98.3	98.8	98.0	97.0	96.1	96.5	96.7
12.5°	99.9	99.8	98.6	97.2	96.2	96.5	96.7
10°	101.6	100.9	99.3	97.5	96.3	96.6	96.7
7.5°	103.3	101.9	99.9	97.7	96.4	96.6	96.7
5°	105.0	103.0	100.5	97.9	96.5	96.6	96.7
2.5°	106.7	104.1	101.1	98.2	96.6	96.7	96.7
0°	108.4	105.1	101.7	98.4	96.7	96.7	96.7
-2.5°	114.3	108.8	103.7	99.8	97.5	97.0	96.7
-5°	120.1	112.4	105.8	101.1	98.2	97.3	96.7
-7.5°	125.7	115.8	107.7	102.4	99.0	97.6	96.7
-10°	131.1	119.2	109.6	103.7	99.7	97.9	96.7
-12.5°	136.2	122.3	111.5	105.0	100.5	98.2	96.7
-15°	141.0	125.3	113.3	106.2	101.2	98.5	96.7
-17.5°	145.3	127.9	115.0	107.4	101.9	98.8	96.7
-20°	150.9	130.3	116.6	108.5	102.6	99.1	96.7



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	158.4	132.4	118.1	109.6	103.2	99.4	96.7
-25°	165.3	136.4	119.6	110.6	103.8	99.6	96.7
-27.5°	171.3	140.9	120.9	111.5	104.5	99.9	96.7
-30°	176.4	145.0	122.3	112.4	105.0	100.1	96.7
-32.5°	180.7	148.6	125.5	113.2	105.6	100.4	96.7
-35°	184.7	151.8	128.4	113.9	106.1	100.6	96.7
-37.5°	188.2	154.8	131.0	114.5	106.5	100.8	96.7
-40°	191.0	157.9	133.3	115.1	107.0	101.0	96.7
-42.5°	193.1	160.5	135.4	115.9	107.4	101.2	96.7
-45°	194.5	162.5	137.2	117.3	107.7	101.4	96.7
-47.5°	195.2	164.1	138.8	118.5	108.0	101.5	96.7
-50°	196.1	165.2	140.1	119.7	108.3	101.7	96.7
-52.5°	196.4	165.7	141.1	120.8	108.5	101.8	96.7
-55°	196.1	166.2	141.8	121.8	108.7	101.9	96.7
-57.5°	195.0	166.4	142.2	122.6	108.9	102.0	96.7
-60°	193.4	166.2	142.4	123.3	109.0	102.1	96.7
-62.5°	192.0	165.5	142.9	123.9	109.1	102.2	96.7
-65°	190.1	164.5	143.2	124.3	109.1	102.3	96.7
-67.5°	187.7	163.6	143.2	124.6	109.1	102.3	96.7
-70°	184.9	163.1	143.1	124.7	109.1	102.4	96.7
-72.5°	183.1	162.2	142.8	124.8	109.0	102.4	96.7
-75°	181.2	161.1	142.3	124.8	108.9	102.4	96.7
-77.5°	179.0	159.8	141.8	124.7	108.7	102.4	96.7
-80°	176.5	158.6	141.2	124.5	108.6	102.3	96.7
-82.5°	174.5	157.3	140.5	124.1	108.4	102.3	96.7
-85°	172.4	155.9	139.7	123.7	108.1	102.3	96.7
-87.5°	170.1	154.3	138.7	123.2	107.9	102.2	96.7
-90°	89.2	90.5	91.7	93.0	94.2	95.5	96.7

(END OF REPORT)