

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: P1212114 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS12-1000R-40-90-4S-ECV**

Issue Date: 11/14/2025

Test Information

Test Method: LM-79-08
Report Number: P1212114 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2509-549-28)
Test Lab: INNOVATION CENTER
Issue Date: 11/14/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: EPHESUS
Catalog Number: EPH-LS12-1000R-40-90-4S-ECV
Description: EPHESUS LS12 LUMINAIRE
(12) 4000K, 90 CRI LEDS AND 4S BEAM SHAPE WITH EXTREME CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

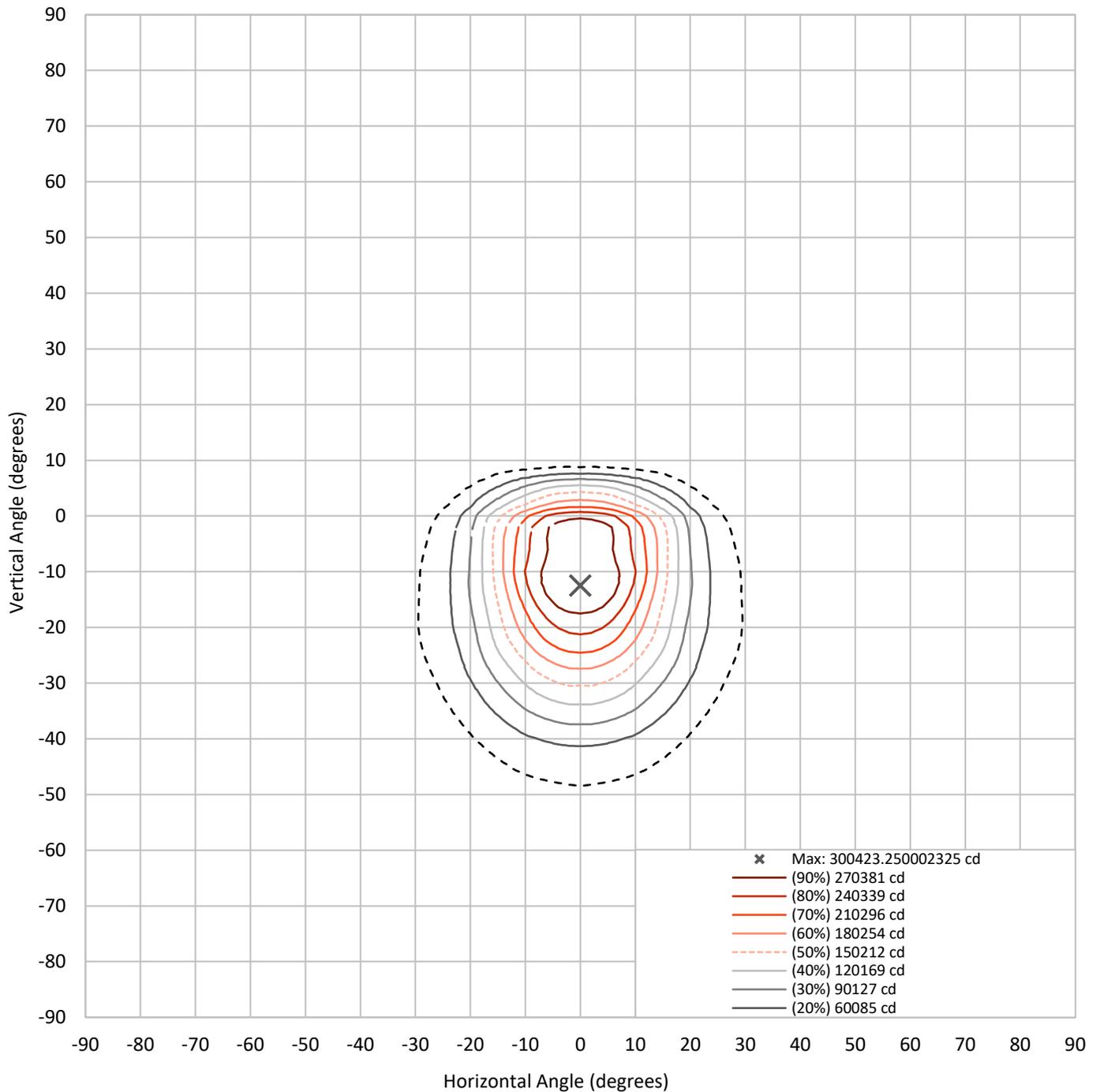
Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	113433.1 lumens	Max Intensity:	300423.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -12.5°V
Efficacy:	109.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.83' x L: 0.79' x H: 0')		
Beam Angle (50%):	31.2°H x 35°V	Field Angle (10%):	58.5°H x 57.2°V
Beam Lumens:	60869.5 lumens	Field Lumens:	101120.5 lumens
Beam Efficiency:	53.7%	Field Efficiency:	89.1%

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

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CATALOG NUMBER: EPH-LS12-1000R-40-90-4S-ECV

Iso-Candela Plot





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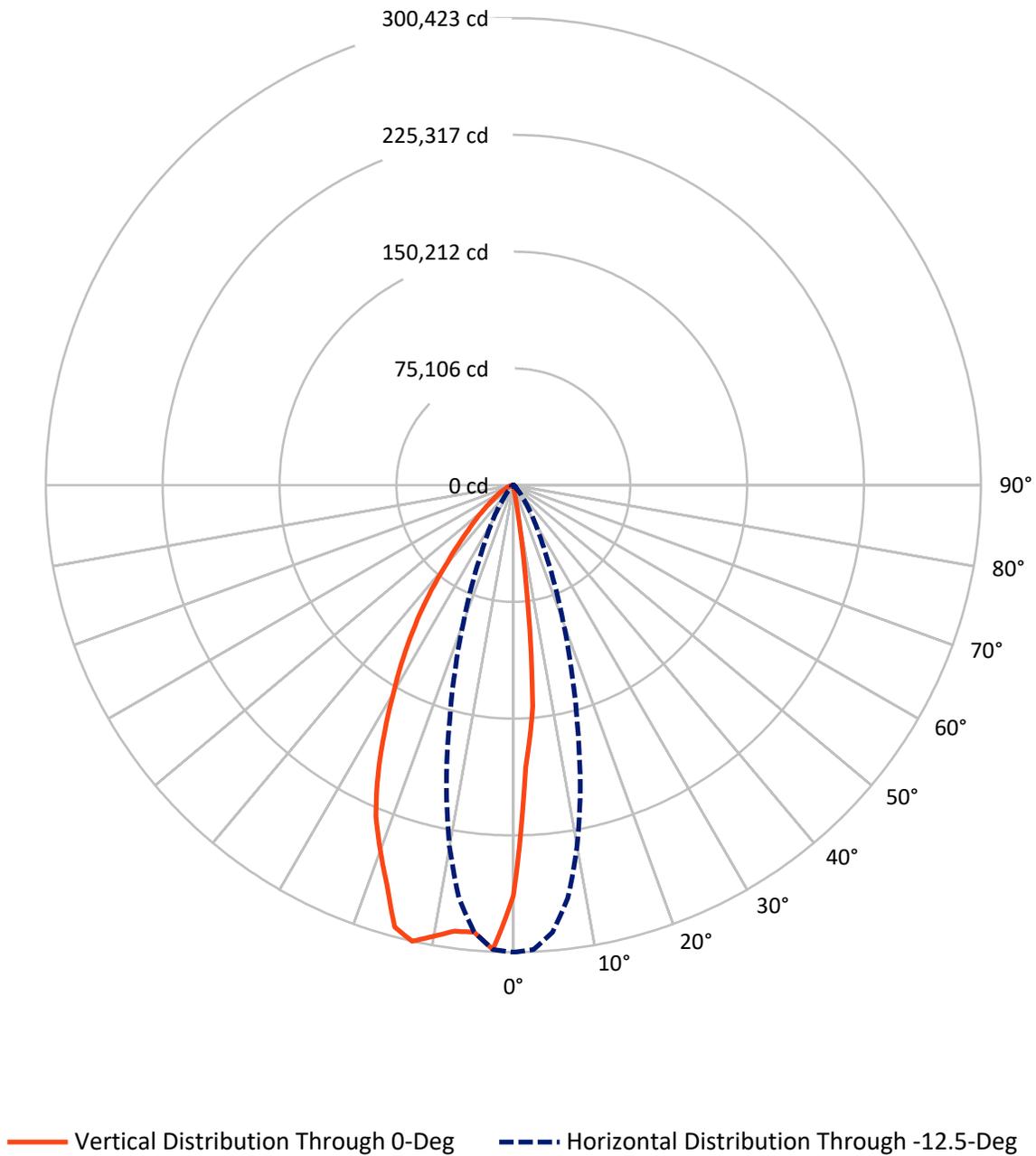
CATALOG NUMBER: EPH-LS12-1000R-40-90-4S-ECV

Lumen Table

90	2.0	5.1		6.0		4.9		3.6		4.9		6.0		5.1		2.0			
80																			
70																			
60	1.9	1.1	1.3	1.3	1.2	0.9	0.6	0.2	0.2	0.6	0.9	1.2	1.3	1.3	1.1	1.9			
50		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				
40	2.0	1.1	1.4	1.5	1.4	1.2	0.7	0.2	0.2	0.7	1.2	1.4	1.5	1.4	1.1	2.0			
30		1.2	1.5	1.6	1.6	1.4	1.0	0.4	0.4	1.0	1.4	1.6	1.6	1.5	1.2				
20	2.1	1.3	1.6	1.9	2.1	2.0	1.4	0.5	0.5	1.4	2.0	2.1	1.9	1.6	1.3	2.1			
10		1.4	2.1	3.1	4.3	9.8	18.0	17.2	17.2	18.0	9.8	4.3	3.1	2.1	1.4				
0	2.5	1.8	4.3	13.1	79.6	476.1	1939.2	3586.7	3586.7	1939.2	476.1	79.6	13.1	4.3	1.8	2.5			
-10		3.1	12.7	44.6	288.7	1349.5	4721.3	8185.0	8185.0	4721.3	1349.5	288.7	44.6	12.7	3.1				
-20	3.3	5.2	22.0	67.7	369.6	1474.0	4500.8	7995.1	7995.1	4500.8	1474.0	369.6	67.7	22.0	5.2	3.3			
-30		6.8	27.3	75.2	314.5	1228.8	3377.3	5734.5	5734.5	3377.3	1228.8	314.5	75.2	27.3	6.8				
-40	3.9	7.1	28.4	74.6	214.4	723.6	1900.7	3130.8	3130.8	1900.7	723.6	214.4	74.6	28.4	7.1	3.9			
-50		6.3	24.6	65.7	148.6	366.7	806.3	1225.0	1225.0	806.3	366.7	148.6	65.7	24.6	6.3				
-60	3.7	5.1	16.8	46.6	100.5	196.2	346.9	471.1	471.1	346.9	196.2	100.5	46.6	16.8	5.1	3.7			
-70		3.9	9.5	24.3	51.8	93.2	149.2	189.5	189.5	149.2	93.2	51.8	24.3	9.5	3.9				
-80	3.3	15.5		43.9		108.1		156.2		108.1		43.9		15.5		3.3			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

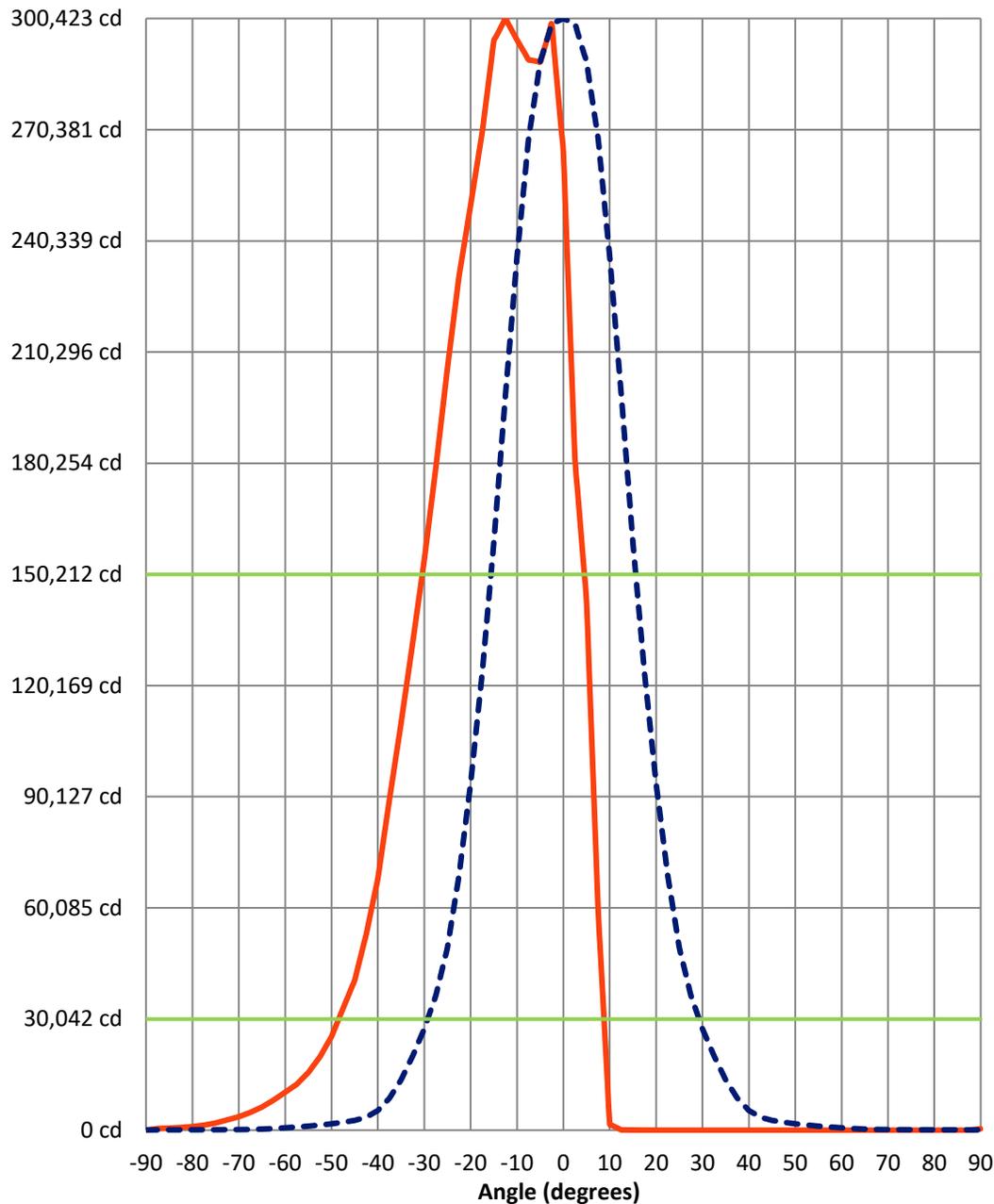
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 31.2°
 V Angle: 35°
 Lumens: 60869.5
 Efficiency: 53.7%

Field:
 H Angle: 58.5°
 V Angle: 57.2°
 Lumens: 101120.5
 Efficiency: 89.1%

Spill:
 Lumens: 12312.6
 Efficiency: 10.9%

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



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CATALOG NUMBER: EPH-LS12-1000R-40-90-4S-ECV

FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	98.8	107.4	116.0	126.1	136.2	146.3	156.4	168.9	181.5	194.0	206.6
87.5°	98.8	96.8	94.6	93.2	91.8	90.3	88.9	86.9	84.8	82.8	80.7
85°	98.8	96.8	94.6	93.2	91.8	90.4	88.9	86.9	84.9	82.8	80.8
82.5°	98.8	96.9	94.6	93.2	91.8	90.4	89.0	87.0	84.9	82.9	80.9
80°	98.8	96.9	94.7	93.2	91.8	90.4	89.0	87.2	85.2	83.1	81.0
77.5°	98.8	97.0	94.7	93.3	91.9	90.5	89.3	87.5	85.5	83.4	81.2
75°	98.8	97.1	94.8	93.3	92.0	90.7	89.6	87.8	85.8	83.6	81.4
72.5°	98.8	97.2	94.9	93.4	92.1	90.9	89.9	88.1	86.0	83.8	81.6
70°	98.8	97.3	95.0	93.4	92.2	91.1	90.1	88.3	86.2	84.1	81.9
67.5°	98.8	97.4	95.1	93.5	92.4	91.3	90.2	88.6	86.5	84.4	82.2
65°	98.8	97.5	95.2	93.6	92.5	91.5	90.4	88.8	86.8	84.7	82.6
62.5°	98.8	97.6	95.3	93.7	92.6	91.6	90.5	89.1	87.1	85.0	83.0
60°	98.8	97.7	95.5	93.8	92.8	91.7	90.6	89.5	87.5	85.4	83.4
57.5°	98.8	97.8	95.7	93.9	92.9	91.9	90.9	89.8	87.8	85.9	83.9
55°	98.8	97.9	95.9	94.0	93.0	92.0	91.1	90.0	88.3	86.3	84.4
52.5°	98.8	98.0	96.1	94.1	93.1	92.2	91.3	90.3	88.7	86.8	84.9
50°	98.8	98.1	96.4	94.2	93.3	92.4	91.6	90.6	89.2	87.4	85.5
47.5°	98.8	98.3	96.6	94.3	93.4	92.7	91.9	91.0	89.7	87.9	86.1
45°	98.8	98.4	96.9	94.4	93.6	93.0	92.3	91.5	90.2	88.5	86.8
42.5°	98.8	98.6	97.2	94.6	93.7	93.3	92.8	92.0	90.7	89.1	87.8
40°	98.8	98.7	97.6	94.9	93.9	93.6	93.2	92.5	91.4	89.8	89.0
37.5°	98.8	98.8	97.9	95.5	94.2	93.9	93.7	93.1	92.2	90.9	90.2
35°	98.8	99.0	98.3	96.1	94.4	94.3	94.2	93.8	93.2	92.3	91.3
32.5°	98.8	99.2	98.7	96.7	94.7	94.7	94.8	94.5	94.2	93.8	92.5
30°	98.8	99.3	99.1	97.4	95.0	95.2	95.4	95.3	95.3	95.4	93.9
27.5°	98.8	99.5	99.5	98.1	96.1	95.6	96.0	96.2	96.6	97.1	95.6
25°	98.8	99.6	100.0	98.8	97.4	96.1	96.6	97.2	98.0	98.6	97.5
22.5°	98.8	99.8	100.4	99.6	98.8	97.1	97.3	98.3	99.5	100.2	99.9
20°	98.8	100.0	100.8	100.4	100.3	99.2	98.0	99.4	100.9	101.9	102.4
17.5°	98.8	100.1	101.3	101.2	101.8	101.4	100.1	100.5	102.4	103.7	105.1
15°	98.8	100.3	101.8	102.0	103.3	103.7	103.2	103.0	103.9	105.7	107.9
12.5°	98.8	100.4	102.2	102.8	104.9	106.0	106.4	107.2	107.6	107.6	110.7
10°	98.8	100.6	102.7	103.7	106.5	108.4	109.6	111.5	113.2	114.3	115.8
7.5°	98.8	100.7	103.2	104.5	108.1	110.7	112.9	115.7	118.8	121.7	125.5
5°	98.8	100.9	103.6	105.3	109.7	113.1	116.1	120.0	124.5	129.1	135.2
2.5°	98.8	101.1	104.1	106.2	111.3	115.4	119.4	124.2	130.2	136.6	145.0
0°	98.8	101.2	104.5	107.0	112.8	117.7	122.6	128.4	135.8	144.0	154.7
-2.5°	98.8	101.6	105.4	108.7	115.2	121.0	126.9	133.9	144.3	159.2	186.7
-5°	98.8	102.0	106.3	110.3	117.5	124.1	131.1	139.4	152.5	173.9	217.4
-7.5°	98.8	102.4	107.1	111.9	119.7	127.3	135.1	144.6	160.3	187.8	246.0
-10°	98.8	102.8	108.0	113.5	121.9	130.3	139.1	149.7	167.7	200.6	271.4
-12.5°	98.8	103.2	108.8	115.0	124.0	133.2	143.0	154.6	174.5	214.8	311.2
-15°	98.8	103.6	109.6	116.5	126.0	136.0	146.6	159.2	187.2	247.9	355.2
-17.5°	98.8	103.9	110.4	117.9	128.0	138.7	150.1	168.3	206.7	276.9	393.7
-20°	98.8	104.3	111.1	119.2	129.8	141.2	155.1	180.1	223.7	301.3	426.1



REPORT NUMBER: P1212114 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-40-90-4S-ECV

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	98.8	104.6	111.8	120.5	131.6	143.6	162.2	190.6	237.9	320.5	451.8
-25°	98.8	105.0	112.5	121.7	133.2	147.2	168.6	199.8	249.2	334.0	470.2
-27.5°	98.8	105.3	113.1	122.7	134.7	151.1	174.2	207.4	257.2	343.8	486.0
-30°	98.8	105.6	113.7	123.7	136.2	154.6	179.0	213.5	264.8	353.1	493.5
-32.5°	98.8	105.9	114.3	124.6	138.3	157.6	182.8	218.9	271.7	357.6	492.3
-35°	98.8	106.1	114.8	125.4	140.1	160.2	186.3	223.3	276.2	357.0	482.1
-37.5°	98.8	106.4	115.3	126.0	141.6	162.3	189.2	226.2	278.1	351.4	479.3
-40°	98.8	106.6	115.7	126.6	142.9	164.1	191.3	227.7	277.6	348.6	473.8
-42.5°	98.8	106.8	116.1	127.1	143.9	165.4	192.8	227.8	276.8	348.1	459.8
-45°	98.8	107.0	116.5	127.8	144.9	166.3	193.4	227.3	275.1	343.5	440.0
-47.5°	98.8	107.2	116.8	128.4	145.6	166.7	193.4	227.1	271.6	334.5	428.5
-50°	98.8	107.4	117.1	129.0	146.1	166.7	193.0	225.8	266.3	327.3	411.3
-52.5°	98.8	107.5	117.3	129.5	146.3	166.2	192.1	223.5	261.7	316.6	389.7
-55°	98.8	107.6	117.5	130.0	146.4	165.9	190.6	220.4	256.7	302.7	371.5
-57.5°	98.8	107.8	117.6	130.3	146.3	165.5	188.4	217.2	250.1	292.0	349.5
-60°	98.8	107.8	117.7	130.5	146.0	164.8	185.9	213.2	242.6	281.0	327.5
-62.5°	98.8	107.9	117.8	130.6	145.8	163.9	184.3	208.5	236.7	268.2	310.9
-65°	98.8	108.0	117.8	130.5	145.5	162.6	182.4	204.0	230.2	258.9	292.2
-67.5°	98.8	108.0	117.8	130.4	145.1	161.4	180.1	200.8	223.0	250.1	278.8
-70°	98.8	108.0	117.8	130.1	144.5	160.2	177.5	197.3	218.3	240.7	267.5
-72.5°	98.8	108.0	117.7	129.9	143.7	158.8	175.2	193.3	213.2	234.2	256.3
-75°	98.8	108.0	117.6	129.6	142.7	157.2	172.8	189.9	207.7	227.4	247.9
-77.5°	98.8	107.9	117.4	129.2	141.9	155.5	170.2	186.5	203.4	220.6	239.0
-80°	98.8	107.8	117.2	128.7	140.9	153.8	167.3	182.9	198.9	215.3	231.9
-82.5°	98.8	107.8	116.9	128.2	139.9	152.1	164.7	179.3	194.2	209.6	225.2
-85°	98.8	107.7	116.7	127.6	138.8	150.3	162.1	176.0	190.1	204.3	218.7
-87.5°	98.8	107.5	116.3	126.9	137.5	148.3	159.3	172.6	185.9	199.3	212.7
-90°	98.8	96.7	94.6	93.2	91.8	90.3	88.9	86.9	84.8	82.8	80.7



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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°	213.6	220.6	227.6	234.6	238.1	241.6	245.1	248.6	253.9	259.3	264.6
87.5°	78.0	75.4	72.7	70.0	66.9	63.8	60.7	57.6	54.3	51.0	47.7
85°	78.1	75.5	72.8	70.1	67.0	63.9	60.8	57.7	54.4	51.1	47.8
82.5°	78.2	75.6	72.9	70.2	67.2	64.1	61.0	57.9	54.6	51.3	48.0
80°	78.4	75.8	73.1	70.4	67.4	64.3	61.2	58.1	54.9	51.6	48.3
77.5°	78.6	76.0	73.3	70.7	67.7	64.6	61.5	58.5	55.2	51.9	48.6
75°	78.9	76.3	73.6	71.0	68.1	65.0	61.9	58.8	55.6	52.3	49.0
72.5°	79.2	76.6	74.0	71.4	68.5	65.5	62.4	59.3	56.1	52.8	49.4
70°	79.6	77.0	74.4	71.8	69.0	66.0	62.9	59.8	56.6	53.3	50.0
67.5°	80.0	77.4	74.8	72.2	69.6	66.5	63.5	60.4	57.3	54.0	50.6
65°	80.4	77.9	75.3	72.8	70.2	67.2	64.2	61.1	58.0	54.6	51.0
62.5°	80.9	78.4	75.9	73.4	70.8	67.9	64.9	61.8	58.8	55.4	51.8
60°	81.4	79.0	76.5	74.0	71.5	68.8	65.7	62.7	59.6	56.3	52.9
57.5°	81.9	79.7	77.2	74.7	72.2	69.6	66.7	63.6	60.5	57.4	54.0
55°	82.4	80.4	78.0	75.5	73.0	70.5	67.7	64.6	61.6	58.5	55.1
52.5°	83.0	81.1	78.8	76.4	73.9	71.5	68.7	65.8	62.7	59.6	56.3
50°	83.6	81.8	79.6	77.3	74.9	72.6	69.9	67.0	63.9	60.8	57.7
47.5°	84.5	82.7	80.5	78.3	76.2	73.7	71.1	68.3	65.3	62.2	59.0
45°	85.5	83.6	81.4	79.7	77.5	75.0	72.4	69.7	66.7	63.7	60.6
42.5°	86.7	84.4	82.7	81.1	78.7	76.3	73.7	71.1	68.4	65.6	62.4
40°	87.5	85.3	84.0	82.3	80.1	77.7	75.2	72.7	70.5	67.6	64.3
37.5°	88.2	86.5	85.3	83.4	81.5	79.1	76.7	74.5	72.4	69.5	66.6
35°	89.0	87.8	86.4	84.6	82.8	80.7	78.5	76.5	74.4	72.0	69.1
32.5°	90.0	89.2	87.5	86.0	84.4	82.4	80.2	78.7	76.8	74.6	71.6
30°	91.7	90.3	88.8	87.6	86.0	84.3	82.5	81.3	79.3	77.2	75.2
27.5°	94.2	91.6	90.3	89.2	87.9	86.4	85.5	83.9	82.2	80.6	79.4
25°	97.0	95.0	91.9	91.0	90.0	89.2	88.6	87.3	85.7	84.6	83.7
22.5°	100.0	98.9	96.8	92.8	92.4	92.2	92.0	91.9	91.6	89.7	88.6
20°	103.3	103.5	102.7	100.4	96.3	95.4	95.8	97.4	99.4	99.7	96.8
17.5°	107.0	108.5	109.2	109.1	108.1	105.0	100.1	103.7	108.8	111.6	112.4
15°	110.9	113.7	116.3	118.8	121.8	125.8	127.8	121.6	119.7	125.7	131.5
12.5°	115.0	119.3	123.8	129.2	137.1	150.6	167.4	182.2	186.3	169.0	158.5
10°	119.2	125.0	131.7	140.1	153.5	178.3	212.4	252.2	291.9	343.4	407.7
7.5°	132.2	138.9	145.5	151.4	170.6	208.1	261.2	328.9	410.0	549.3	800.3
5°	146.8	162.1	192.2	222.5	255.7	298.1	351.0	411.3	535.4	774.6	1244.9
2.5°	161.6	185.7	240.7	305.1	385.8	482.4	610.0	770.8	990.9	1515.9	2391.1
0°	176.1	209.0	288.9	387.6	516.0	666.6	869.1	1130.8	1511.1	2502.8	4129.9
-2.5°	233.0	307.6	412.8	546.4	707.3	897.0	1146.0	1465.6	1989.5	3270.5	5545.7
-5°	287.8	402.4	532.8	699.6	891.8	1118.6	1410.2	1782.6	2442.7	3997.9	6758.0
-7.5°	338.9	490.4	647.2	844.4	1069.8	1340.2	1678.0	2109.5	2898.1	4688.6	7706.9
-10°	388.3	574.6	759.7	979.7	1239.1	1551.7	1928.9	2404.5	3263.6	5155.8	8338.2
-12.5°	454.7	655.6	864.8	1103.6	1391.6	1740.3	2154.3	2661.3	3518.2	5350.6	8686.8
-15°	513.6	727.8	960.2	1214.7	1524.6	1902.2	2350.5	2874.7	3664.7	5326.7	8777.9
-17.5°	563.6	790.1	1044.6	1311.3	1635.6	2034.1	2511.3	3048.9	3800.9	5345.5	8642.5
-20°	603.9	841.9	1117.1	1392.4	1725.1	2134.1	2623.2	3196.2	3958.8	5302.1	7962.8



REPORT NUMBER: P1212114 (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°	633.4	882.2	1173.9	1464.7	1806.0	2210.3	2697.1	3283.5	4014.0	5032.4	7457.6
-25°	656.9	913.1	1212.8	1529.0	1869.9	2263.1	2730.7	3313.3	4022.7	5266.7	7424.9
-27.5°	675.7	929.1	1242.4	1577.6	1916.6	2299.1	2755.4	3315.2	4152.6	5353.7	7077.3
-30°	684.6	938.9	1255.7	1606.6	1953.3	2332.5	2763.2	3345.8	4157.2	5314.5	6916.4
-32.5°	688.7	937.9	1255.4	1607.0	1973.1	2346.0	2789.9	3367.6	4113.8	5098.8	6545.1
-35°	687.3	937.8	1241.3	1587.7	1972.1	2356.4	2811.3	3349.4	4003.3	4893.6	6196.4
-37.5°	677.2	923.4	1212.4	1552.7	1930.9	2353.8	2790.5	3307.2	3917.1	4671.1	5838.6
-40°	655.3	894.8	1178.1	1504.9	1878.7	2310.5	2752.7	3229.9	3795.1	4537.7	5436.4
-42.5°	623.7	857.2	1130.5	1440.7	1806.6	2221.9	2680.2	3139.4	3674.8	4335.1	5137.5
-45°	597.8	805.6	1067.4	1366.1	1709.2	2106.2	2546.8	3025.5	3532.9	4113.0	4805.5
-47.5°	561.6	746.4	991.7	1269.7	1592.7	1963.2	2382.3	2845.5	3353.4	3886.9	4471.3
-50°	521.9	691.5	897.9	1159.7	1457.0	1798.3	2185.7	2629.6	3104.0	3616.7	4160.9
-52.5°	493.7	625.1	811.8	1034.7	1307.6	1615.9	1978.1	2387.4	2826.5	3290.5	3824.1
-55°	459.1	574.4	718.2	914.2	1146.0	1423.6	1756.3	2132.4	2529.2	2955.8	3435.8
-57.5°	426.6	521.8	638.6	791.4	992.2	1223.9	1530.5	1861.7	2224.9	2607.3	3017.6
-60°	394.2	470.3	566.1	688.1	836.1	1048.3	1296.3	1586.6	1906.1	2243.3	2603.6
-62.5°	360.5	423.1	498.4	592.5	714.9	873.5	1087.3	1325.4	1577.4	1864.5	2172.0
-65°	336.1	377.3	436.9	511.7	595.7	735.2	897.7	1078.2	1296.9	1518.9	1743.5
-67.5°	308.9	345.0	385.3	434.2	508.5	610.2	720.7	871.5	1037.7	1212.5	1397.3
-70°	292.0	313.1	345.3	383.2	430.7	503.3	597.5	698.9	809.2	941.3	1097.0
-72.5°	276.6	295.4	315.2	336.0	375.8	430.1	491.0	558.1	643.0	743.9	850.5
-75°	263.7	277.3	294.1	312.1	336.9	368.3	405.2	457.4	518.5	586.0	656.6
-77.5°	252.7	265.1	277.6	290.2	307.2	330.9	357.6	387.0	425.0	467.3	511.7
-80°	242.7	252.7	263.8	275.1	288.5	303.4	319.5	336.7	361.9	392.3	426.6
-82.5°	234.8	244.0	253.1	262.3	271.6	281.4	292.0	304.4	323.7	344.8	366.8
-85°	227.0	235.1	243.5	251.9	259.1	266.6	274.4	282.4	295.2	308.8	322.8
-87.5°	220.4	227.9	235.5	243.0	248.2	253.4	258.8	264.2	272.6	281.2	290.0
-90°	78.0	75.4	72.7	70.0	66.9	63.8	60.7	57.6	54.3	51.0	47.7



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	269.9	277.7	285.6	293.4	301.2	311.3	321.4	331.5	341.6	351.9	362.2
87.5°	44.4	41.2	37.9	34.6	31.3	28.0	24.7	21.4	18.1	15.0	12.0
85°	44.5	41.3	38.0	34.7	31.4	28.1	24.8	21.5	18.2	15.1	12.0
82.5°	44.7	41.3	37.9	34.5	31.0	27.8	24.6	21.4	18.3	15.2	12.1
80°	44.9	41.5	38.1	34.8	31.5	28.2	25.0	21.7	18.4	15.3	12.1
77.5°	45.3	41.9	38.6	35.3	32.0	28.6	25.3	21.9	18.6	15.4	12.2
75°	45.6	42.3	38.9	35.5	32.0	28.6	25.3	22.0	18.7	15.5	12.4
72.5°	46.1	42.7	39.1	35.5	32.0	28.6	25.2	21.8	18.4	15.2	12.1
70°	46.6	43.2	39.6	36.0	32.4	28.9	25.4	22.0	18.5	15.3	12.3
67.5°	47.1	43.4	39.8	36.3	32.8	29.4	25.9	22.4	18.8	15.6	12.5
65°	47.4	43.7	40.3	36.9	33.4	29.9	26.5	23.1	19.7	16.4	13.1
62.5°	48.2	44.7	41.3	37.9	34.3	30.5	27.1	23.6	20.0	16.4	13.1
60°	49.5	46.2	42.6	38.9	35.1	31.3	27.6	23.9	20.2	16.6	13.3
57.5°	50.6	47.1	43.6	39.8	36.0	32.1	28.3	24.6	20.8	17.0	13.6
55°	51.7	48.2	44.6	40.8	37.0	33.0	29.1	25.3	21.4	17.5	14.0
52.5°	52.9	49.4	45.8	41.9	37.9	33.9	30.0	26.1	22.1	18.1	14.5
50°	54.2	50.6	46.7	42.6	38.9	35.1	31.1	27.0	22.9	18.8	15.0
47.5°	55.6	51.8	48.1	44.5	40.7	36.5	32.3	28.1	23.9	19.6	15.5
45°	57.2	53.6	50.0	46.2	42.2	38.0	33.6	29.2	24.9	20.5	16.2
42.5°	59.0	55.4	51.7	47.9	43.9	39.5	35.0	30.5	26.1	21.5	16.9
40°	60.9	57.3	53.9	49.9	45.3	40.7	36.6	32.0	27.4	22.6	17.7
37.5°	63.3	60.0	56.2	51.8	47.6	43.2	38.8	34.0	28.9	24.3	19.3
35°	65.8	62.7	58.8	55.2	51.1	46.4	41.7	37.2	32.0	27.3	22.1
32.5°	69.2	66.2	62.9	59.5	55.4	51.0	46.2	42.3	37.4	32.4	26.7
30°	73.4	70.4	67.6	64.5	60.8	56.9	53.4	49.4	45.2	39.8	31.7
27.5°	77.5	75.2	72.6	69.5	67.1	64.1	60.7	56.5	49.3	41.4	32.4
25°	82.3	80.4	77.5	75.4	73.7	71.2	66.1	59.4	49.2	39.0	29.9
22.5°	87.6	85.7	83.7	82.0	81.2	76.9	68.7	57.9	47.0	37.3	29.3
20°	93.2	91.4	93.4	94.1	89.1	84.0	71.4	59.3	49.4	42.9	36.7
17.5°	109.5	101.7	109.7	116.7	110.4	94.5	86.6	72.2	64.4	56.7	47.0
15°	139.1	148.4	150.4	148.3	147.0	134.7	114.5	111.0	101.5	94.7	85.0
12.5°	183.7	221.1	278.7	363.8	220.5	201.8	296.5	296.7	248.7	195.3	181.8
10°	446.6	319.7	548.2	1207.0	2288.0	2655.3	1030.5	3052.4	4533.5	6867.5	2209.2
7.5°	1290.1	1811.9	2350.0	3269.8	6086.3	10581.6	14286.3	19396.2	29470.6	37516.2	43724.6
5°	2295.1	3707.6	5711.7	8468.9	13796.7	21817.1	31928.2	47448.5	62666.2	82095.8	100758.0
2.5°	4003.6	6428.3	9654.0	14095.1	22238.3	34141.8	50222.9	74874.8	98225.6	120121.5	137967.2
0°	6628.6	10912.4	15116.3	23230.4	35160.9	53146.2	75631.0	109351.6	141652.5	174787.5	203813.2
-2.5°	9020.2	13232.0	19485.6	28745.1	43220.6	61203.7	86623.2	121562.6	163635.7	197896.7	231969.9
-5°	10946.6	15762.5	22733.7	32044.9	46110.2	63941.6	88685.6	124084.2	166282.3	200669.8	230430.3
-7.5°	12330.3	17934.7	25196.5	34431.7	47853.0	66519.4	91461.5	124683.8	164278.2	204290.4	234871.2
-10°	13149.2	19380.5	26794.1	36251.7	49609.4	68398.3	92269.9	123661.5	164352.8	204842.6	241414.9
-12.5°	13617.3	20062.4	27392.8	36420.1	49366.8	68922.3	93781.2	123624.7	158884.3	198601.3	235990.4
-15°	13806.0	20172.8	27467.5	37187.8	50364.5	67431.3	90875.3	118965.4	151071.1	187248.8	222223.4
-17.5°	13619.9	19923.1	28041.8	37845.0	50176.8	65187.4	86723.9	112063.0	143312.8	177207.9	206230.0
-20°	12904.1	19813.5	27969.9	37568.7	49116.2	63265.5	81146.8	106660.1	136714.3	166839.3	194285.9



REPORT NUMBER: P1212114 (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°	12231.8	18780.2	26819.4	35951.4	46521.5	59453.0	76650.3	101097.6	128503.7	153392.7	179104.7
-25°	11037.6	16802.1	24519.6	33194.2	42895.4	54775.1	72478.8	93350.0	115537.3	136551.4	158453.4
-27.5°	10107.0	14879.1	21339.1	29446.5	38404.1	50495.6	65948.8	83763.4	102247.8	120663.2	139175.8
-30°	9149.2	12978.1	18438.5	25067.5	34128.5	44986.7	57638.9	73023.5	89276.5	105429.8	121703.8
-32.5°	8679.8	11521.4	15626.6	21429.2	29223.6	38704.5	49174.3	62466.4	76713.7	91022.2	104986.4
-35°	8029.4	10435.7	13414.6	18350.0	24428.6	32261.7	41624.6	52287.2	63371.5	75610.0	87887.4
-37.5°	7343.0	9322.8	12105.9	15758.6	20603.9	26219.1	33928.7	42740.4	51754.7	61133.7	70804.1
-40°	6709.4	8273.4	10750.8	13672.3	17384.6	21861.6	27645.7	33832.8	40637.8	48220.9	55507.7
-42.5°	6099.2	7557.7	9435.0	11840.9	14664.7	18489.1	22828.7	27329.5	32424.2	37965.6	43301.6
-45°	5630.1	6855.4	8317.0	10200.1	12489.7	15534.1	18923.7	22499.5	26340.6	30305.5	33914.3
-47.5°	5257.4	6218.9	7418.4	8791.8	10667.7	12987.8	15486.6	18228.8	21336.8	24415.3	26958.5
-50°	4862.9	5672.1	6623.2	7723.0	9227.6	10921.2	12736.8	14852.8	17201.5	19587.0	21420.3
-52.5°	4452.3	5148.1	5910.4	6842.7	8003.4	9270.0	10629.0	12226.8	13920.7	15652.1	16910.7
-55°	3989.1	4594.9	5241.1	6067.4	6963.9	7907.4	8939.1	10159.6	11404.1	12655.1	13498.4
-57.5°	3487.6	4005.6	4580.5	5259.8	6003.7	6802.4	7650.3	8541.8	9461.8	10365.7	10959.2
-60°	2982.0	3376.3	3867.5	4421.8	5004.4	5610.4	6342.2	7090.2	7830.6	8504.2	8971.9
-62.5°	2500.8	2846.2	3224.5	3634.5	4066.2	4540.0	5119.9	5715.4	6317.8	6848.9	7233.5
-65°	1991.1	2281.8	2609.2	2939.5	3270.6	3640.0	4069.1	4505.1	4943.1	5305.5	5564.8
-67.5°	1599.0	1805.6	2039.1	2284.0	2558.5	2855.3	3179.5	3504.5	3827.3	4088.4	4295.2
-70°	1255.8	1419.3	1588.6	1767.2	1966.5	2193.2	2443.7	2689.9	2930.5	3109.0	3247.6
-72.5°	962.1	1082.6	1216.4	1362.6	1507.6	1669.8	1850.6	2036.6	2225.4	2369.4	2491.9
-75°	729.9	812.0	910.4	1012.9	1118.4	1235.4	1357.6	1479.9	1601.4	1693.1	1773.9
-77.5°	565.3	627.9	692.5	757.7	823.1	896.2	972.2	1048.6	1124.8	1179.7	1229.0
-80°	462.2	502.5	544.7	587.9	631.7	679.3	727.9	776.6	825.1	861.1	894.8
-82.5°	389.6	416.6	444.6	473.1	502.1	533.9	566.1	598.4	630.5	654.3	677.0
-85°	337.4	355.6	374.2	393.2	412.5	434.3	456.4	478.5	500.6	518.1	535.2
-87.5°	298.8	310.8	322.9	335.1	347.4	362.0	376.6	391.2	405.9	419.1	432.2
-90°	44.4	41.1	37.9	34.6	31.3	28.0	24.7	21.4	18.1	15.2	12.3



REPORT NUMBER: P1212114 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-40-90-4S-ECV

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	372.4	382.7	385.6	388.5	385.6	382.7	372.4	362.2	351.9	341.6	331.5
87.5°	8.9	5.8	3.7	1.6	3.7	5.8	8.9	12.0	15.0	18.1	21.4
85°	8.9	5.8	3.7	1.6	3.7	5.8	8.9	12.0	15.1	18.2	21.5
82.5°	9.0	5.9	3.3	0.8	3.3	5.9	9.0	12.1	15.2	18.3	21.4
80°	9.0	5.9	3.7	1.6	3.7	5.9	9.0	12.1	15.3	18.4	21.7
77.5°	9.1	5.9	3.4	0.8	3.4	5.9	9.1	12.2	15.4	18.6	21.9
75°	9.2	6.0	3.4	0.8	3.4	6.0	9.2	12.4	15.5	18.7	22.0
72.5°	9.1	6.1	3.8	1.6	3.8	6.1	9.1	12.1	15.2	18.4	21.8
70°	9.2	6.2	3.5	0.8	3.5	6.2	9.2	12.3	15.3	18.5	22.0
67.5°	9.4	6.3	3.5	0.8	3.5	6.3	9.4	12.5	15.6	18.8	22.4
65°	9.8	6.4	3.6	0.8	3.6	6.4	9.8	13.1	16.4	19.7	23.1
62.5°	9.8	6.5	3.3	0.0	3.3	6.5	9.8	13.1	16.4	20.0	23.6
60°	10.0	6.7	3.3	0.0	3.3	6.7	10.0	13.3	16.6	20.2	23.9
57.5°	10.3	6.9	3.4	0.0	3.4	6.9	10.3	13.6	17.0	20.8	24.6
55°	10.5	7.1	3.5	0.0	3.5	7.1	10.5	14.0	17.5	21.4	25.3
52.5°	10.9	7.3	3.7	0.0	3.7	7.3	10.9	14.5	18.1	22.1	26.1
50°	11.3	7.5	3.8	0.0	3.8	7.5	11.3	15.0	18.8	22.9	27.0
47.5°	11.7	7.8	3.9	0.0	3.9	7.8	11.7	15.5	19.6	23.9	28.1
45°	12.2	8.2	4.1	0.0	4.1	8.2	12.2	16.2	20.5	24.9	29.2
42.5°	12.7	8.5	4.5	0.8	4.5	8.5	12.7	16.9	21.5	26.1	30.5
40°	13.4	9.0	4.5	0.0	4.5	9.0	13.4	17.7	22.6	27.4	32.0
37.5°	14.5	9.7	4.8	0.0	4.8	9.7	14.5	19.3	24.3	28.9	34.0
35°	16.5	10.9	5.1	0.8	5.1	10.9	16.5	22.1	27.3	32.0	37.2
32.5°	20.2	13.7	6.8	0.0	6.8	13.7	20.2	26.7	32.4	37.4	42.3
30°	24.2	16.1	7.4	0.0	7.4	16.1	24.2	31.7	39.8	45.2	49.4
27.5°	23.7	14.9	6.5	0.0	6.5	14.9	23.7	32.4	41.4	49.3	56.5
25°	21.9	14.8	8.3	4.1	8.3	14.8	21.9	29.9	39.0	49.2	59.4
22.5°	23.8	17.4	11.9	9.9	11.9	17.4	23.8	29.3	37.3	47.0	57.9
20°	29.8	23.0	18.0	14.8	18.0	23.0	29.8	36.7	42.9	49.4	59.3
17.5°	43.5	36.0	28.6	25.5	28.6	36.0	43.5	47.0	56.7	64.4	72.2
15°	78.1	69.5	60.9	56.8	60.9	69.5	78.1	85.0	94.7	101.5	111.0
12.5°	141.2	124.8	110.4	100.8	110.4	124.8	141.2	181.8	195.3	248.7	296.7
10°	5346.6	4752.3	4231.9	1594.2	4231.9	4752.3	5346.6	2209.2	6867.5	4533.5	3052.4
7.5°	48415.4	54570.6	60176.5	59527.5	60176.5	54570.6	48415.4	43724.6	37516.2	29470.6	19396.2
5°	116571.0	134884.9	136936.5	142866.4	136936.5	134884.9	116571.0	100758.0	82095.8	62666.2	47448.5
2.5°	157766.8	173804.1	179592.2	181568.3	179592.2	173804.1	157766.8	137967.2	120121.5	98225.6	74874.8
0°	229872.7	252260.0	261440.2	264173.1	261440.2	252260.0	229872.7	203813.2	174787.5	141652.5	109351.6
-2.5°	260530.4	284334.9	295293.5	298869.8	295293.5	284334.9	260530.4	231969.9	197896.7	163635.7	121562.6
-5°	256599.4	276123.5	285410.1	288700.6	285410.1	276123.5	256599.4	230430.3	200669.8	166282.3	124084.2
-7.5°	261655.3	278906.7	286702.4	289265.2	286702.4	278906.7	261655.3	234871.2	204290.4	164278.2	124683.8
-10°	267979.3	286401.3	294539.1	294632.1	294539.1	286401.3	267979.3	241414.9	204842.6	164352.8	123661.5
-12.5°	267982.5	288653.0	299003.7	300423.3	299003.7	288653.0	267982.5	235990.4	198601.3	158884.3	123624.7
-15°	253739.6	276736.4	290310.5	294349.8	290310.5	276736.4	253739.6	222223.4	187248.8	151071.1	118965.4
-17.5°	234672.7	256281.6	267071.4	269773.7	267071.4	256281.6	234672.7	206230.0	177207.9	143312.8	112063.0
-20°	217734.4	237449.1	246849.0	250000.0	246849.0	237449.1	217734.4	194285.9	166839.3	136714.3	106660.1



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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	201030.9	218676.0	228708.5	230790.8	228708.5	218676.0	201030.9	179104.7	153392.7	128503.7	101097.6
-25°	179539.0	194565.7	203859.4	205931.6	203859.4	194565.7	179539.0	158453.4	136551.4	115537.3	93350.0
-27.5°	156832.6	168790.0	177970.7	179058.5	177970.7	168790.0	156832.6	139175.8	120663.2	102247.8	83763.4
-30°	136853.4	146525.2	154941.1	154084.1	154941.1	146525.2	136853.4	121703.8	105429.8	89276.5	73023.5
-32.5°	117310.1	125456.8	132010.1	131652.0	132010.1	125456.8	117310.1	104986.4	91022.2	76713.7	62466.4
-35°	97733.1	104591.6	109655.5	110034.7	109655.5	104591.6	97733.1	87887.4	75610.0	63371.5	52287.2
-37.5°	78487.1	84676.8	89114.7	89462.6	89114.7	84676.8	78487.1	70804.1	61133.7	51754.7	42740.4
-40°	60650.1	65119.5	68088.6	68069.1	68088.6	65119.5	60650.1	55507.7	48220.9	40637.8	33832.8
-42.5°	46811.4	49893.0	52095.1	53043.3	52095.1	49893.0	46811.4	43301.6	37965.6	32424.2	27329.5
-45°	36491.7	38819.2	40282.4	40564.8	40282.4	38819.2	36491.7	33914.3	30305.5	26340.6	22499.5
-47.5°	28846.4	30558.3	31945.6	32968.3	31945.6	30558.3	28846.4	26958.5	24415.3	21336.8	18228.8
-50°	22833.9	24099.1	24925.8	25325.8	24925.8	24099.1	22833.9	21420.3	19587.0	17201.5	14852.8
-52.5°	17971.4	18931.7	19537.9	19845.4	19537.9	18931.7	17971.4	16910.7	15652.1	13920.7	12226.8
-55°	14276.0	14993.7	15409.8	15606.8	15409.8	14993.7	14276.0	13498.4	12655.1	11404.1	10159.6
-57.5°	11511.8	12016.9	12295.6	12432.5	12295.6	12016.9	11511.8	10959.2	10365.7	9461.8	8541.8
-60°	9407.0	9805.0	10070.8	10258.9	10070.8	9805.0	9407.0	8971.9	8504.2	7830.6	7090.2
-62.5°	7594.4	7925.4	8077.8	8143.7	8077.8	7925.4	7594.4	7233.5	6848.9	6317.8	5715.4
-65°	5800.3	6010.8	6158.3	6270.6	6158.3	6010.8	5800.3	5564.8	5305.5	4943.1	4505.1
-67.5°	4488.4	4665.7	4760.9	4822.9	4760.9	4665.7	4488.4	4295.2	4088.4	3827.3	3504.5
-70°	3374.4	3489.3	3573.2	3642.7	3573.2	3489.3	3374.4	3247.6	3109.0	2930.5	2689.9
-72.5°	2607.2	2714.3	2761.4	2792.5	2761.4	2714.3	2607.2	2491.9	2369.4	2225.4	2036.6
-75°	1849.9	1920.3	1943.0	1955.5	1943.0	1920.3	1849.9	1773.9	1693.1	1601.4	1479.9
-77.5°	1275.8	1319.6	1345.4	1367.0	1345.4	1319.6	1275.8	1229.0	1179.7	1124.8	1048.6
-80°	927.3	958.4	970.9	981.0	970.9	958.4	927.3	894.8	861.1	825.1	776.6
-82.5°	699.1	720.5	733.6	745.7	733.6	720.5	699.1	677.0	654.3	630.5	598.4
-85°	552.0	568.5	571.8	574.5	571.8	568.5	552.0	535.2	518.1	500.6	478.5
-87.5°	445.2	458.1	462.0	465.8	462.0	458.1	445.2	432.2	419.1	405.9	391.2
-90°	9.5	6.6	4.1	1.6	4.1	6.6	9.5	12.3	15.2	18.1	21.4



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	321.4	311.3	301.2	293.4	285.6	277.7	269.9	264.6	259.3	253.9	248.6
87.5°	24.7	28.0	31.3	34.6	37.9	41.2	44.4	47.7	51.0	54.3	57.6
85°	24.8	28.1	31.4	34.7	38.0	41.3	44.5	47.8	51.1	54.4	57.7
82.5°	24.6	27.8	31.0	34.5	37.9	41.3	44.7	48.0	51.3	54.6	57.9
80°	25.0	28.2	31.5	34.8	38.1	41.5	44.9	48.3	51.6	54.9	58.1
77.5°	25.3	28.6	32.0	35.3	38.6	41.9	45.3	48.6	51.9	55.2	58.5
75°	25.3	28.6	32.0	35.5	38.9	42.3	45.6	49.0	52.3	55.6	58.8
72.5°	25.2	28.6	32.0	35.5	39.1	42.7	46.1	49.4	52.8	56.1	59.3
70°	25.4	28.9	32.4	36.0	39.6	43.2	46.6	50.0	53.3	56.6	59.8
67.5°	25.9	29.4	32.8	36.3	39.8	43.4	47.1	50.6	54.0	57.3	60.4
65°	26.5	29.9	33.4	36.9	40.3	43.7	47.4	51.0	54.6	58.0	61.1
62.5°	27.1	30.5	34.3	37.9	41.3	44.7	48.2	51.8	55.4	58.8	61.8
60°	27.6	31.3	35.1	38.9	42.6	46.2	49.5	52.9	56.3	59.6	62.7
57.5°	28.3	32.1	36.0	39.8	43.6	47.1	50.6	54.0	57.4	60.5	63.6
55°	29.1	33.0	37.0	40.8	44.6	48.2	51.7	55.1	58.5	61.6	64.6
52.5°	30.0	33.9	37.9	41.9	45.8	49.4	52.9	56.3	59.6	62.7	65.8
50°	31.1	35.1	38.9	42.6	46.7	50.6	54.2	57.7	60.8	63.9	67.0
47.5°	32.3	36.5	40.7	44.5	48.1	51.8	55.6	59.0	62.2	65.3	68.3
45°	33.6	38.0	42.2	46.2	50.0	53.6	57.2	60.6	63.7	66.7	69.7
42.5°	35.0	39.5	43.9	47.9	51.7	55.4	59.0	62.4	65.6	68.4	71.1
40°	36.6	40.7	45.3	49.9	53.9	57.3	60.9	64.3	67.6	70.5	72.7
37.5°	38.8	43.2	47.6	51.8	56.2	60.0	63.3	66.6	69.5	72.4	74.5
35°	41.7	46.4	51.1	55.2	58.8	62.7	65.8	69.1	72.0	74.4	76.5
32.5°	46.2	51.0	55.4	59.5	62.9	66.2	69.2	71.6	74.6	76.8	78.7
30°	53.4	56.9	60.8	64.5	67.6	70.4	73.4	75.2	77.2	79.3	81.3
27.5°	60.7	64.1	67.1	69.5	72.6	75.2	77.5	79.4	80.6	82.2	83.9
25°	66.1	71.2	73.7	75.4	77.5	80.4	82.3	83.7	84.6	85.7	87.3
22.5°	68.7	76.9	81.2	82.0	83.7	85.7	87.6	88.6	89.7	91.6	91.9
20°	71.4	84.0	89.1	94.1	93.4	91.4	93.2	96.8	99.7	99.4	97.4
17.5°	86.6	94.5	110.4	116.7	109.7	101.7	109.5	112.4	111.6	108.8	103.7
15°	114.5	134.7	147.0	148.3	150.4	148.4	139.1	131.5	125.7	119.7	121.6
12.5°	296.5	201.8	220.5	363.8	278.7	221.1	183.7	158.5	169.0	186.3	182.2
10°	1030.5	2655.3	2288.0	1207.0	548.2	319.7	446.6	407.7	343.4	291.9	252.2
7.5°	14286.3	10581.6	6086.3	3269.8	2350.0	1811.9	1290.1	800.3	549.3	410.0	328.9
5°	31928.2	21817.1	13796.7	8468.9	5711.7	3707.6	2295.1	1244.9	774.6	535.4	411.3
2.5°	50222.9	34141.8	22238.3	14095.1	9654.0	6428.3	4003.6	2391.1	1515.9	990.9	770.8
0°	75631.0	53146.2	35160.9	23230.4	15116.3	10912.4	6628.6	4129.9	2502.8	1511.1	1130.8
-2.5°	86623.2	61203.7	43220.6	28745.1	19485.6	13232.0	9020.2	5545.7	3270.5	1989.5	1465.6
-5°	88685.6	63941.6	46110.2	32044.9	22733.7	15762.5	10946.6	6758.0	3997.9	2442.7	1782.6
-7.5°	91461.5	66519.4	47853.0	34431.7	25196.5	17934.7	12330.3	7706.9	4688.6	2898.1	2109.5
-10°	92269.9	68398.3	49609.4	36251.7	26794.1	19380.5	13149.2	8338.2	5155.8	3263.6	2404.5
-12.5°	93781.2	68922.3	49366.8	36420.1	27392.8	20062.4	13617.3	8686.8	5350.6	3518.2	2661.3
-15°	90875.3	67431.3	50364.5	37187.8	27467.5	20172.8	13806.0	8777.9	5326.7	3664.7	2874.7
-17.5°	86723.9	65187.4	50176.8	37845.0	28041.8	19923.1	13619.9	8642.5	5345.5	3800.9	3048.9
-20°	81146.8	63265.5	49116.2	37568.7	27969.9	19813.5	12904.1	7962.8	5302.1	3958.8	3196.2



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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°	76650.3	59453.0	46521.5	35951.4	26819.4	18780.2	12231.8	7457.6	5032.4	4014.0	3283.5
-25°	72478.8	54775.1	42895.4	33194.2	24519.6	16802.1	11037.6	7424.9	5266.7	4022.7	3313.3
-27.5°	65948.8	50495.6	38404.1	29446.5	21339.1	14879.1	10107.0	7077.3	5353.7	4152.6	3315.2
-30°	57638.9	44986.7	34128.5	25067.5	18438.5	12978.1	9149.2	6916.4	5314.5	4157.2	3345.8
-32.5°	49174.3	38704.5	29223.6	21429.2	15626.6	11521.4	8679.8	6545.1	5098.8	4113.8	3367.6
-35°	41624.6	32261.7	24428.6	18350.0	13414.6	10435.7	8029.4	6196.4	4893.6	4003.3	3349.4
-37.5°	33928.7	26219.1	20603.9	15758.6	12105.9	9322.8	7343.0	5838.6	4671.1	3917.1	3307.2
-40°	27645.7	21861.6	17384.6	13672.3	10750.8	8273.4	6709.4	5436.4	4537.7	3795.1	3229.9
-42.5°	22828.7	18489.1	14664.7	11840.9	9435.0	7557.7	6099.2	5137.5	4335.1	3674.8	3139.4
-45°	18923.7	15534.1	12489.7	10200.1	8317.0	6855.4	5630.1	4805.5	4113.0	3532.9	3025.5
-47.5°	15486.6	12987.8	10667.7	8791.8	7418.4	6218.9	5257.4	4471.3	3886.9	3353.4	2845.5
-50°	12736.8	10921.2	9227.6	7723.0	6623.2	5672.1	4862.9	4160.9	3616.7	3104.0	2629.6
-52.5°	10629.0	9270.0	8003.4	6842.7	5910.4	5148.1	4452.3	3824.1	3290.5	2826.5	2387.4
-55°	8939.1	7907.4	6963.9	6067.4	5241.1	4594.9	3989.1	3435.8	2955.8	2529.2	2132.4
-57.5°	7650.3	6802.4	6003.7	5259.8	4580.5	4005.6	3487.6	3017.6	2607.3	2224.9	1861.7
-60°	6342.2	5610.4	5004.4	4421.8	3867.5	3376.3	2982.0	2603.6	2243.3	1906.1	1586.6
-62.5°	5119.9	4540.0	4066.2	3634.5	3224.5	2846.2	2500.8	2172.0	1864.5	1577.4	1325.4
-65°	4069.1	3640.0	3270.6	2939.5	2609.2	2281.8	1991.1	1743.5	1518.9	1296.9	1078.2
-67.5°	3179.5	2855.3	2558.5	2284.0	2039.1	1805.6	1599.0	1397.3	1212.5	1037.7	871.5
-70°	2443.7	2193.2	1966.5	1767.2	1588.6	1419.3	1255.8	1097.0	941.3	809.2	698.9
-72.5°	1850.6	1669.8	1507.6	1362.6	1216.4	1082.6	962.1	850.5	743.9	643.0	558.1
-75°	1357.6	1235.4	1118.4	1012.9	910.4	812.0	729.9	656.6	586.0	518.5	457.4
-77.5°	972.2	896.2	823.1	757.7	692.5	627.9	565.3	511.7	467.3	425.0	387.0
-80°	727.9	679.3	631.7	587.9	544.7	502.5	462.2	426.6	392.3	361.9	336.7
-82.5°	566.1	533.9	502.1	473.1	444.6	416.6	389.6	366.8	344.8	323.7	304.4
-85°	456.4	434.3	412.5	393.2	374.2	355.6	337.4	322.8	308.8	295.2	282.4
-87.5°	376.6	362.0	347.4	335.1	322.9	310.8	298.8	290.0	281.2	272.6	264.2
-90°	24.7	28.0	31.3	34.6	37.9	41.1	44.4	47.7	51.0	54.3	57.6



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	245.1	241.6	238.1	234.6	227.6	220.6	213.6	206.6	194.0	181.5	168.9
87.5°	60.7	63.8	66.9	70.0	72.7	75.4	78.0	80.7	82.8	84.8	86.9
85°	60.8	63.9	67.0	70.1	72.8	75.5	78.1	80.8	82.8	84.9	86.9
82.5°	61.0	64.1	67.2	70.2	72.9	75.6	78.2	80.9	82.9	84.9	87.0
80°	61.2	64.3	67.4	70.4	73.1	75.8	78.4	81.0	83.1	85.2	87.2
77.5°	61.5	64.6	67.7	70.7	73.3	76.0	78.6	81.2	83.4	85.5	87.5
75°	61.9	65.0	68.1	71.0	73.6	76.3	78.9	81.4	83.6	85.8	87.8
72.5°	62.4	65.5	68.5	71.4	74.0	76.6	79.2	81.6	83.8	86.0	88.1
70°	62.9	66.0	69.0	71.8	74.4	77.0	79.6	81.9	84.1	86.2	88.3
67.5°	63.5	66.5	69.6	72.2	74.8	77.4	80.0	82.2	84.4	86.5	88.6
65°	64.2	67.2	70.2	72.8	75.3	77.9	80.4	82.6	84.7	86.8	88.8
62.5°	64.9	67.9	70.8	73.4	75.9	78.4	80.9	83.0	85.0	87.1	89.1
60°	65.7	68.8	71.5	74.0	76.5	79.0	81.4	83.4	85.4	87.5	89.5
57.5°	66.7	69.6	72.2	74.7	77.2	79.7	81.9	83.9	85.9	87.8	89.8
55°	67.7	70.5	73.0	75.5	78.0	80.4	82.4	84.4	86.3	88.3	90.0
52.5°	68.7	71.5	73.9	76.4	78.8	81.1	83.0	84.9	86.8	88.7	90.3
50°	69.9	72.6	74.9	77.3	79.6	81.8	83.6	85.5	87.4	89.2	90.6
47.5°	71.1	73.7	76.2	78.3	80.5	82.7	84.5	86.1	87.9	89.7	91.0
45°	72.4	75.0	77.5	79.7	81.4	83.6	85.5	86.8	88.5	90.2	91.5
42.5°	73.7	76.3	78.7	81.1	82.7	84.4	86.7	87.8	89.1	90.7	92.0
40°	75.2	77.7	80.1	82.3	84.0	85.3	87.5	89.0	89.8	91.4	92.5
37.5°	76.7	79.1	81.5	83.4	85.3	86.5	88.2	90.2	90.9	92.2	93.1
35°	78.5	80.7	82.8	84.6	86.4	87.8	89.0	91.3	92.3	93.2	93.8
32.5°	80.2	82.4	84.4	86.0	87.5	89.2	90.0	92.5	93.8	94.2	94.5
30°	82.5	84.3	86.0	87.6	88.8	90.3	91.7	93.9	95.4	95.3	95.3
27.5°	85.5	86.4	87.9	89.2	90.3	91.6	94.2	95.6	97.1	96.6	96.2
25°	88.6	89.2	90.0	91.0	91.9	95.0	97.0	97.5	98.6	98.0	97.2
22.5°	92.0	92.2	92.4	92.8	96.8	98.9	100.0	99.9	100.2	99.5	98.3
20°	95.8	95.4	96.3	100.4	102.7	103.5	103.3	102.4	101.9	100.9	99.4
17.5°	100.1	105.0	108.1	109.1	109.2	108.5	107.0	105.1	103.7	102.4	100.5
15°	127.8	125.8	121.8	118.8	116.3	113.7	110.9	107.9	105.7	103.9	103.0
12.5°	167.4	150.6	137.1	129.2	123.8	119.3	115.0	110.7	107.6	107.6	107.2
10°	212.4	178.3	153.5	140.1	131.7	125.0	119.2	115.8	114.3	113.2	111.5
7.5°	261.2	208.1	170.6	151.4	145.5	138.9	132.2	125.5	121.7	118.8	115.7
5°	351.0	298.1	255.7	222.5	192.2	162.1	146.8	135.2	129.1	124.5	120.0
2.5°	610.0	482.4	385.8	305.1	240.7	185.7	161.6	145.0	136.6	130.2	124.2
0°	869.1	666.6	516.0	387.6	288.9	209.0	176.1	154.7	144.0	135.8	128.4
-2.5°	1146.0	897.0	707.3	546.4	412.8	307.6	233.0	186.7	159.2	144.3	133.9
-5°	1410.2	1118.6	891.8	699.6	532.8	402.4	287.8	217.4	173.9	152.5	139.4
-7.5°	1678.0	1340.2	1069.8	844.4	647.2	490.4	338.9	246.0	187.8	160.3	144.6
-10°	1928.9	1551.7	1239.1	979.7	759.7	574.6	388.3	271.4	200.6	167.7	149.7
-12.5°	2154.3	1740.3	1391.6	1103.6	864.8	655.6	454.7	311.2	214.8	174.5	154.6
-15°	2350.5	1902.2	1524.6	1214.7	960.2	727.8	513.6	355.2	247.9	187.2	159.2
-17.5°	2511.3	2034.1	1635.6	1311.3	1044.6	790.1	563.6	393.7	276.9	206.7	168.3
-20°	2623.2	2134.1	1725.1	1392.4	1117.1	841.9	603.9	426.1	301.3	223.7	180.1



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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°	2697.1	2210.3	1806.0	1464.7	1173.9	882.2	633.4	451.8	320.5	237.9	190.6
-25°	2730.7	2263.1	1869.9	1529.0	1212.8	913.1	656.9	470.2	334.0	249.2	199.8
-27.5°	2755.4	2299.1	1916.6	1577.6	1242.4	929.1	675.7	486.0	343.8	257.2	207.4
-30°	2763.2	2332.5	1953.3	1606.6	1255.7	938.9	684.6	493.5	353.1	264.8	213.5
-32.5°	2789.9	2346.0	1973.1	1607.0	1255.4	937.9	688.7	492.3	357.6	271.7	218.9
-35°	2811.3	2356.4	1972.1	1587.7	1241.3	937.8	687.3	482.1	357.0	276.2	223.3
-37.5°	2790.5	2353.8	1930.9	1552.7	1212.4	923.4	677.2	479.3	351.4	278.1	226.2
-40°	2752.7	2310.5	1878.7	1504.9	1178.1	894.8	655.3	473.8	348.6	277.6	227.7
-42.5°	2680.2	2221.9	1806.6	1440.7	1130.5	857.2	623.7	459.8	348.1	276.8	227.8
-45°	2546.8	2106.2	1709.2	1366.1	1067.4	805.6	597.8	440.0	343.5	275.1	227.3
-47.5°	2382.3	1963.2	1592.7	1269.7	991.7	746.4	561.6	428.5	334.5	271.6	227.1
-50°	2185.7	1798.3	1457.0	1159.7	897.9	691.5	521.9	411.3	327.3	266.3	225.8
-52.5°	1978.1	1615.9	1307.6	1034.7	811.8	625.1	493.7	389.7	316.6	261.7	223.5
-55°	1756.3	1423.6	1146.0	914.2	718.2	574.4	459.1	371.5	302.7	256.7	220.4
-57.5°	1530.5	1223.9	992.2	791.4	638.6	521.8	426.6	349.5	292.0	250.1	217.2
-60°	1296.3	1048.3	836.1	688.1	566.1	470.3	394.2	327.5	281.0	242.6	213.2
-62.5°	1087.3	873.5	714.9	592.5	498.4	423.1	360.5	310.9	268.2	236.7	208.5
-65°	897.7	735.2	595.7	511.7	436.9	377.3	336.1	292.2	258.9	230.2	204.0
-67.5°	720.7	610.2	508.5	434.2	385.3	345.0	308.9	278.8	250.1	223.0	200.8
-70°	597.5	503.3	430.7	383.2	345.3	313.1	292.0	267.5	240.7	218.3	197.3
-72.5°	491.0	430.1	375.8	336.0	315.2	295.4	276.6	256.3	234.2	213.2	193.3
-75°	405.2	368.3	336.9	312.1	294.1	277.3	263.7	247.9	227.4	207.7	189.9
-77.5°	357.6	330.9	307.2	290.2	277.6	265.1	252.7	239.0	220.6	203.4	186.5
-80°	319.5	303.4	288.5	275.1	263.8	252.7	242.7	231.9	215.3	198.9	182.9
-82.5°	292.0	281.4	271.6	262.3	253.1	244.0	234.8	225.2	209.6	194.2	179.3
-85°	274.4	266.6	259.1	251.9	243.5	235.1	227.0	218.7	204.3	190.1	176.0
-87.5°	258.8	253.4	248.2	243.0	235.5	227.9	220.4	212.7	199.3	185.9	172.6
-90°	60.7	63.8	66.9	70.0	72.7	75.4	78.0	80.7	82.8	84.8	86.9



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	156.4	146.3	136.2	126.1	116.0	107.4	98.8
87.5°	88.9	90.3	91.8	93.2	94.6	96.8	98.8
85°	88.9	90.4	91.8	93.2	94.6	96.8	98.8
82.5°	89.0	90.4	91.8	93.2	94.6	96.9	98.8
80°	89.0	90.4	91.8	93.2	94.7	96.9	98.8
77.5°	89.3	90.5	91.9	93.3	94.7	97.0	98.8
75°	89.6	90.7	92.0	93.3	94.8	97.1	98.8
72.5°	89.9	90.9	92.1	93.4	94.9	97.2	98.8
70°	90.1	91.1	92.2	93.4	95.0	97.3	98.8
67.5°	90.2	91.3	92.4	93.5	95.1	97.4	98.8
65°	90.4	91.5	92.5	93.6	95.2	97.5	98.8
62.5°	90.5	91.6	92.6	93.7	95.3	97.6	98.8
60°	90.6	91.7	92.8	93.8	95.5	97.7	98.8
57.5°	90.9	91.9	92.9	93.9	95.7	97.8	98.8
55°	91.1	92.0	93.0	94.0	95.9	97.9	98.8
52.5°	91.3	92.2	93.1	94.1	96.1	98.0	98.8
50°	91.6	92.4	93.3	94.2	96.4	98.1	98.8
47.5°	91.9	92.7	93.4	94.3	96.6	98.3	98.8
45°	92.3	93.0	93.6	94.4	96.9	98.4	98.8
42.5°	92.8	93.3	93.7	94.6	97.2	98.6	98.8
40°	93.2	93.6	93.9	94.9	97.6	98.7	98.8
37.5°	93.7	93.9	94.2	95.5	97.9	98.8	98.8
35°	94.2	94.3	94.4	96.1	98.3	99.0	98.8
32.5°	94.8	94.7	94.7	96.7	98.7	99.2	98.8
30°	95.4	95.2	95.0	97.4	99.1	99.3	98.8
27.5°	96.0	95.6	96.1	98.1	99.5	99.5	98.8
25°	96.6	96.1	97.4	98.8	100.0	99.6	98.8
22.5°	97.3	97.1	98.8	99.6	100.4	99.8	98.8
20°	98.0	99.2	100.3	100.4	100.8	100.0	98.8
17.5°	100.1	101.4	101.8	101.2	101.3	100.1	98.8
15°	103.2	103.7	103.3	102.0	101.8	100.3	98.8
12.5°	106.4	106.0	104.9	102.8	102.2	100.4	98.8
10°	109.6	108.4	106.5	103.7	102.7	100.6	98.8
7.5°	112.9	110.7	108.1	104.5	103.2	100.7	98.8
5°	116.1	113.1	109.7	105.3	103.6	100.9	98.8
2.5°	119.4	115.4	111.3	106.2	104.1	101.1	98.8
0°	122.6	117.7	112.8	107.0	104.5	101.2	98.8
-2.5°	126.9	121.0	115.2	108.7	105.4	101.6	98.8
-5°	131.1	124.1	117.5	110.3	106.3	102.0	98.8
-7.5°	135.1	127.3	119.7	111.9	107.1	102.4	98.8
-10°	139.1	130.3	121.9	113.5	108.0	102.8	98.8
-12.5°	143.0	133.2	124.0	115.0	108.8	103.2	98.8
-15°	146.6	136.0	126.0	116.5	109.6	103.6	98.8
-17.5°	150.1	138.7	128.0	117.9	110.4	103.9	98.8
-20°	155.1	141.2	129.8	119.2	111.1	104.3	98.8



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	162.2	143.6	131.6	120.5	111.8	104.6	98.8
-25°	168.6	147.2	133.2	121.7	112.5	105.0	98.8
-27.5°	174.2	151.1	134.7	122.7	113.1	105.3	98.8
-30°	179.0	154.6	136.2	123.7	113.7	105.6	98.8
-32.5°	182.8	157.6	138.3	124.6	114.3	105.9	98.8
-35°	186.3	160.2	140.1	125.4	114.8	106.1	98.8
-37.5°	189.2	162.3	141.6	126.0	115.3	106.4	98.8
-40°	191.3	164.1	142.9	126.6	115.7	106.6	98.8
-42.5°	192.8	165.4	143.9	127.1	116.1	106.8	98.8
-45°	193.4	166.3	144.9	127.8	116.5	107.0	98.8
-47.5°	193.4	166.7	145.6	128.4	116.8	107.2	98.8
-50°	193.0	166.7	146.1	129.0	117.1	107.4	98.8
-52.5°	192.1	166.2	146.3	129.5	117.3	107.5	98.8
-55°	190.6	165.9	146.4	130.0	117.5	107.6	98.8
-57.5°	188.4	165.5	146.3	130.3	117.6	107.8	98.8
-60°	185.9	164.8	146.0	130.5	117.7	107.8	98.8
-62.5°	184.3	163.9	145.8	130.6	117.8	107.9	98.8
-65°	182.4	162.6	145.5	130.5	117.8	108.0	98.8
-67.5°	180.1	161.4	145.1	130.4	117.8	108.0	98.8
-70°	177.5	160.2	144.5	130.1	117.8	108.0	98.8
-72.5°	175.2	158.8	143.7	129.9	117.7	108.0	98.8
-75°	172.8	157.2	142.7	129.6	117.6	108.0	98.8
-77.5°	170.2	155.5	141.9	129.2	117.4	107.9	98.8
-80°	167.3	153.8	140.9	128.7	117.2	107.8	98.8
-82.5°	164.7	152.1	139.9	128.2	116.9	107.8	98.8
-85°	162.1	150.3	138.8	127.6	116.7	107.7	98.8
-87.5°	159.3	148.3	137.5	126.9	116.3	107.5	98.8
-90°	88.9	90.3	91.8	93.2	94.6	96.7	98.8

(END OF REPORT)