

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: P1212096 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS12-1000R-40-80-4S-ECV**

Issue Date: 11/14/2025

Test Information

Test Method: LM-79-08
Report Number: P1212096 (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-40-80-4S-ECV
Description: EPHESUS LS12 LUMINAIRE
(12) 4000K, 80 CRI LEDS AND 4S BEAM SHAPE WITH EXTREME CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

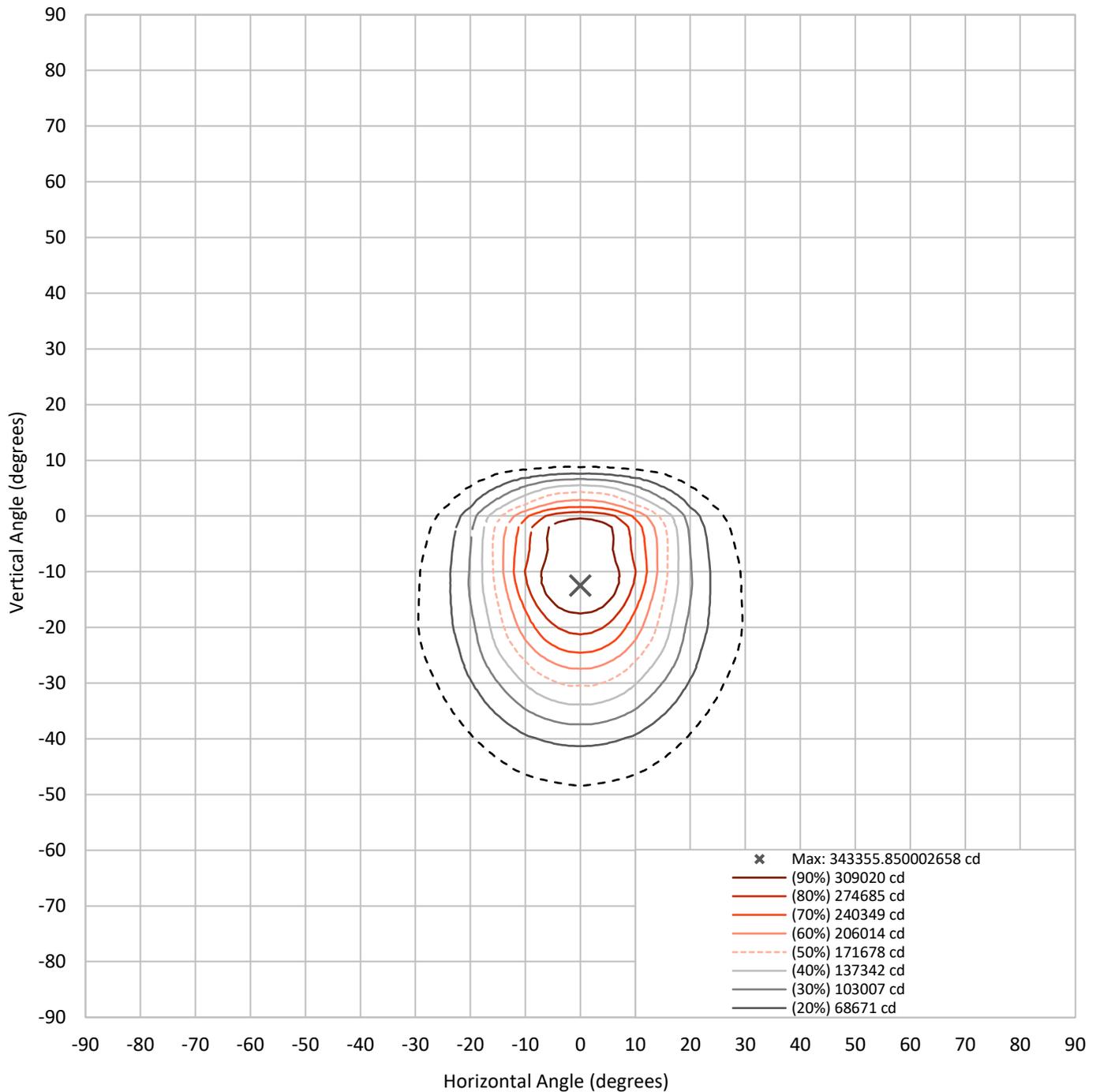
Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	129643.5 lumens	Max Intensity:	343355.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -12.5°V
Efficacy:	124.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.83' x L: 0.79' x H: 0')		
Beam Angle (50%):	31.2°H x 35°V	Field Angle (10%):	58.5°H x 57.2°V
Beam Lumens:	69568.2 lumens	Field Lumens:	115571.4 lumens
Beam Efficiency:	53.7%	Field Efficiency:	89.1%

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

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CATALOG NUMBER: EPH-LS12-1000R-40-80-4S-ECV

Iso-Candela Plot





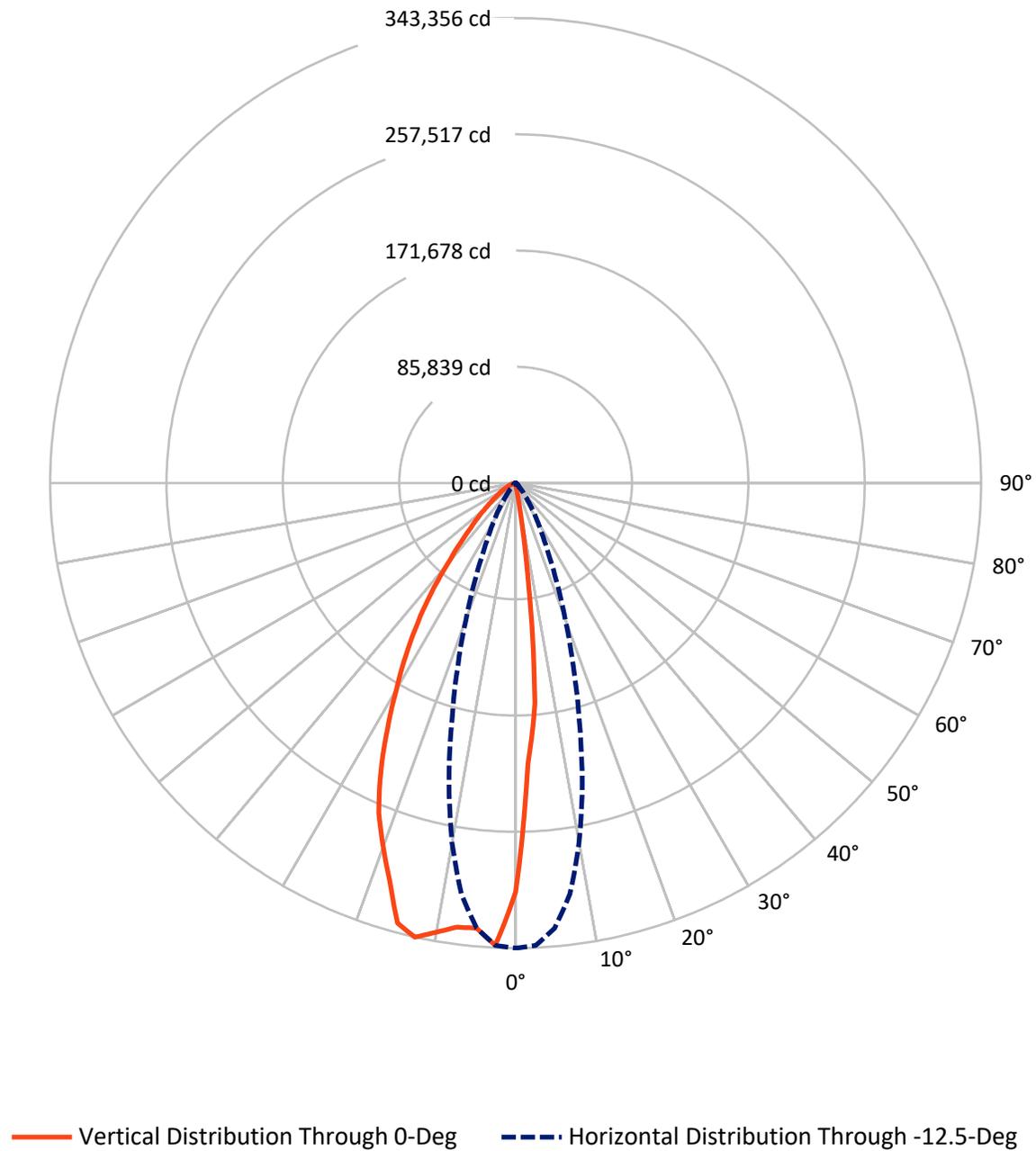
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Lumen Table

90	2.3	5.8		6.8		5.7		4.1		5.7		6.8		5.8		2.3			
80	2.3	5.8		6.8		5.7		4.1		5.7		6.8		5.8		2.3			
70	2.2	1.2	1.4	1.5	1.4	1.1	0.7	0.2	0.2	0.7	1.1	1.4	1.5	1.4	1.2	2.2			
60		1.2	1.5	1.6	1.5	1.2	0.7	0.2	0.2	0.7	1.2	1.5	1.6	1.5	1.2				
50	2.3	1.3	1.6	1.7	1.6	1.3	0.8	0.3	0.3	0.8	1.3	1.6	1.7	1.6	1.3	2.3			
40		1.3	1.7	1.9	1.9	1.6	1.1	0.4	0.4	1.1	1.6	1.9	1.9	1.7	1.3				
30	2.4	1.4	1.8	2.2	2.3	2.3	1.6	0.6	0.6	1.6	2.3	2.3	2.2	1.8	1.4	2.4			
20		1.6	2.4	3.6	5.0	11.3	20.6	19.7	19.7	20.6	11.3	5.0	3.6	2.4	1.6				
10	2.9	2.1	4.9	15.0	91.0	544.2	2216.3	4099.3	4099.3	2216.3	544.2	91.0	15.0	4.9	2.1	2.9			
0		3.6	14.6	50.9	329.9	1542.3	5396.0	9354.7	9354.7	5396.0	1542.3	329.9	50.9	14.6	3.6				
-10	3.7	6.0	25.2	77.3	422.4	1684.7	5144.0	9137.6	9137.6	5144.0	1684.7	422.4	77.3	25.2	6.0	3.7			
-20		7.7	31.2	85.9	359.5	1404.4	3860.0	6554.0	6554.0	3860.0	1404.4	359.5	85.9	31.2	7.7				
-30	4.4	8.1	32.4	85.3	245.1	827.0	2172.3	3578.3	3578.3	2172.3	827.0	245.1	85.3	32.4	8.1	4.4			
-40		7.3	28.2	75.1	169.8	419.1	921.6	1400.1	1400.1	921.6	419.1	169.8	75.1	28.2	7.3				
-50	4.3	5.8	19.2	53.2	114.8	224.2	396.5	538.4	538.4	396.5	224.2	114.8	53.2	19.2	5.8	4.3			
-60		4.5	10.8	27.8	59.2	106.6	170.5	216.6	216.6	170.5	106.6	59.2	27.8	10.8	4.5				
-70	3.8	17.7	50.2		123.5		178.5		123.5		50.2		17.7		3.8				
-80		17.7	50.2		123.5		178.5		123.5		50.2		17.7						
-90	3.8	17.7		50.2		123.5		178.5		123.5		50.2		17.7		3.8			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

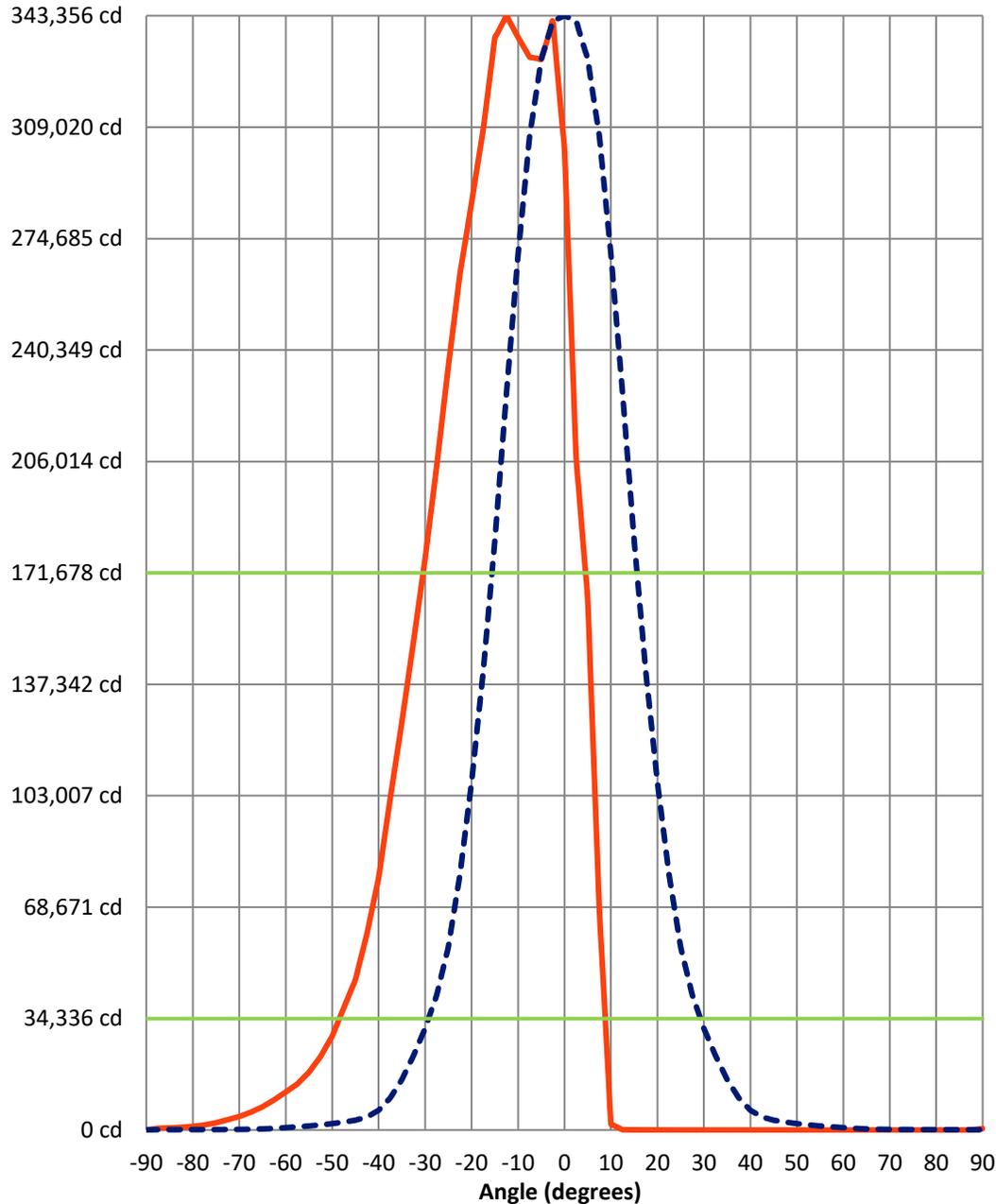
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CATALOG NUMBER: EPH-LS12-1000R-40-80-4S-ECV

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 31.2°
 V Angle: 35°
 Lumens: 69568.2
 Efficiency: 53.7%

Field:
 H Angle: 58.5°
 V Angle: 57.2°
 Lumens: 115571.4
 Efficiency: 89.1%

Spill:
 Lumens: 14072.1
 Efficiency: 10.9%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through -12.5-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°	112.9	122.7	132.6	144.1	155.6	167.2	178.7	193.0	207.4	221.7	236.1
87.5°	112.9	110.6	108.2	106.6	104.9	103.3	101.6	99.3	96.9	94.6	92.2
85°	112.9	110.7	108.2	106.6	104.9	103.3	101.6	99.3	97.0	94.6	92.3
82.5°	112.9	110.8	108.2	106.6	105.0	103.3	101.7	99.4	97.1	94.7	92.4
80°	112.9	110.8	108.3	106.6	105.0	103.4	101.8	99.6	97.3	95.0	92.5
77.5°	112.9	110.9	108.3	106.7	105.1	103.5	102.1	100.0	97.7	95.2	92.7
75°	112.9	111.0	108.4	106.7	105.1	103.7	102.4	100.3	98.0	95.5	93.0
72.5°	112.9	111.1	108.5	106.8	105.3	103.9	102.7	100.7	98.2	95.7	93.3
70°	112.9	111.2	108.6	106.8	105.4	104.2	103.0	101.0	98.5	96.0	93.6
67.5°	112.9	111.3	108.7	106.9	105.6	104.4	103.1	101.2	98.8	96.4	93.9
65°	112.9	111.4	108.9	107.1	105.8	104.6	103.3	101.5	99.1	96.8	94.4
62.5°	112.9	111.5	109.0	107.2	105.9	104.7	103.4	101.9	99.5	97.2	94.8
60°	112.9	111.7	109.2	107.3	106.1	104.9	103.6	102.2	99.9	97.6	95.3
57.5°	112.9	111.8	109.4	107.4	106.2	105.0	103.8	102.6	100.4	98.1	95.8
55°	112.9	111.9	109.7	107.5	106.4	105.2	104.1	102.8	100.9	98.6	96.4
52.5°	112.9	112.1	109.9	107.6	106.5	105.4	104.4	103.2	101.4	99.2	97.0
50°	112.9	112.2	110.2	107.8	106.7	105.7	104.7	103.6	101.9	99.8	97.7
47.5°	112.9	112.4	110.5	107.9	106.8	105.9	105.0	104.0	102.5	100.5	98.4
45°	112.9	112.5	110.8	108.0	107.0	106.3	105.5	104.5	103.0	101.1	99.2
42.5°	112.9	112.7	111.2	108.2	107.2	106.6	106.0	105.1	103.7	101.8	100.3
40°	112.9	112.8	111.6	108.6	107.4	106.9	106.5	105.7	104.5	102.6	101.6
37.5°	112.9	113.0	112.0	109.2	107.7	107.3	107.1	106.4	105.4	103.8	103.1
35°	112.9	113.2	112.4	109.9	108.0	107.7	107.7	107.2	106.4	105.5	104.4
32.5°	112.9	113.4	112.9	110.6	108.3	108.2	108.3	108.0	107.6	107.2	105.7
30°	112.9	113.5	113.3	111.4	108.6	108.8	109.0	108.9	108.9	109.0	107.4
27.5°	112.9	113.7	113.8	112.2	109.9	109.3	109.7	110.0	110.4	110.9	109.3
25°	112.9	113.9	114.3	113.0	111.4	109.8	110.5	111.1	112.0	112.7	111.5
22.5°	112.9	114.1	114.8	113.9	112.9	110.9	111.2	112.3	113.7	114.5	114.2
20°	112.9	114.3	115.3	114.8	114.6	113.4	112.0	113.5	115.3	116.5	117.1
17.5°	112.9	114.5	115.8	115.7	116.3	115.9	114.4	114.8	117.0	118.6	120.2
15°	112.9	114.6	116.4	116.6	118.1	118.5	118.0	117.7	118.7	120.8	123.3
12.5°	112.9	114.8	116.9	117.6	119.9	121.2	121.6	122.5	123.0	123.1	126.5
10°	112.9	115.0	117.4	118.5	121.7	123.8	125.3	127.3	129.4	130.7	132.3
7.5°	112.9	115.2	118.0	119.5	123.5	126.5	129.0	132.2	135.8	139.1	143.4
5°	112.9	115.4	118.5	120.4	125.3	129.2	132.8	137.1	142.3	147.6	154.6
2.5°	112.9	115.5	119.0	121.4	127.1	131.9	136.5	141.9	148.8	156.2	165.7
0°	112.9	115.7	119.5	122.3	128.9	134.5	140.2	146.7	155.2	164.6	176.8
-2.5°	112.9	116.2	120.5	124.2	131.6	138.2	145.1	153.0	164.9	182.0	213.3
-5°	112.9	116.6	121.5	126.1	134.3	141.9	149.8	159.2	174.3	198.8	248.5
-7.5°	112.9	117.1	122.5	127.9	136.8	145.5	154.5	165.3	183.2	214.7	281.1
-10°	112.9	117.5	123.5	129.7	139.3	148.9	159.0	171.1	191.7	229.3	310.2
-12.5°	112.9	118.0	124.4	131.5	141.7	152.3	163.4	176.7	199.5	245.6	355.7
-15°	112.9	118.4	125.3	133.1	144.1	155.5	167.6	182.0	214.0	283.3	406.0
-17.5°	112.9	118.8	126.2	134.7	146.3	158.5	171.6	192.3	236.2	316.5	450.0
-20°	112.9	119.2	127.0	136.3	148.4	161.4	177.3	205.8	255.6	344.4	487.0



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 CATALOG NUMBER: EPH-LS12-1000R-40-80-4S-ECV

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	112.9	119.6	127.8	137.7	150.4	164.1	185.4	217.8	271.9	366.3	516.4
-25°	112.9	120.0	128.6	139.0	152.2	168.3	192.8	228.3	284.8	381.7	537.5
-27.5°	112.9	120.3	129.3	140.3	153.9	172.7	199.2	237.1	293.9	392.9	555.4
-30°	112.9	120.7	130.0	141.4	155.6	176.7	204.6	244.0	302.6	403.6	564.0
-32.5°	112.9	121.0	130.6	142.4	158.0	180.2	209.0	250.2	310.5	408.7	562.6
-35°	112.9	121.3	131.2	143.3	160.1	183.1	212.9	255.2	315.6	408.1	551.0
-37.5°	112.9	121.6	131.8	144.0	161.8	185.5	216.2	258.5	317.9	401.6	547.8
-40°	112.9	121.8	132.3	144.7	163.2	187.5	218.7	260.2	317.2	398.3	541.5
-42.5°	112.9	122.1	132.7	145.3	164.5	189.0	220.3	260.3	316.3	397.8	525.5
-45°	112.9	122.3	133.1	146.1	165.5	190.0	221.1	259.8	314.4	392.5	502.9
-47.5°	112.9	122.5	133.5	146.7	166.3	190.5	221.0	259.5	310.3	382.2	489.7
-50°	112.9	122.7	133.8	147.4	166.9	190.4	220.6	258.0	304.3	374.0	470.1
-52.5°	112.9	122.9	134.0	148.1	167.3	189.9	219.5	255.4	299.1	361.8	445.3
-55°	112.9	123.0	134.2	148.6	167.3	189.6	217.8	251.8	293.3	345.9	424.6
-57.5°	112.9	123.1	134.3	148.9	167.2	189.2	215.3	248.3	285.8	333.7	399.4
-60°	112.9	123.2	134.4	149.1	166.8	188.4	212.4	243.6	277.3	321.1	374.3
-62.5°	112.9	123.3	134.5	149.2	166.7	187.3	210.6	238.2	270.6	306.5	355.3
-65°	112.9	123.4	134.6	149.2	166.3	185.8	208.4	233.1	263.1	295.9	334.0
-67.5°	112.9	123.4	134.6	149.0	165.8	184.4	205.8	229.5	254.9	285.9	318.7
-70°	112.9	123.4	134.6	148.7	165.1	183.1	202.9	225.4	249.5	275.1	305.8
-72.5°	112.9	123.4	134.5	148.4	164.2	181.5	200.3	220.9	243.7	267.7	292.9
-75°	112.9	123.4	134.3	148.1	163.1	179.7	197.5	217.0	237.4	259.8	283.3
-77.5°	112.9	123.3	134.1	147.6	162.1	177.7	194.5	213.2	232.4	252.2	273.1
-80°	112.9	123.2	133.9	147.1	161.1	175.7	191.2	209.0	227.3	246.0	265.0
-82.5°	112.9	123.2	133.7	146.5	159.9	173.8	188.3	204.9	221.9	239.5	257.3
-85°	112.9	123.0	133.3	145.8	158.6	171.7	185.2	201.2	217.3	233.5	249.9
-87.5°	112.9	122.9	133.0	145.0	157.2	169.5	182.0	197.2	212.4	227.7	243.1
-90°	112.9	110.6	108.2	106.6	104.9	103.3	101.6	99.3	96.9	94.6	92.2



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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°	244.1	252.1	260.1	268.1	272.1	276.1	280.1	284.1	290.2	296.3	302.4
87.5°	89.2	86.1	83.1	80.0	76.5	72.9	69.4	65.8	62.1	58.3	54.6
85°	89.3	86.2	83.2	80.1	76.6	73.1	69.5	66.0	62.2	58.5	54.7
82.5°	89.4	86.4	83.3	80.3	76.8	73.2	69.7	66.1	62.4	58.7	54.9
80°	89.6	86.6	83.5	80.5	77.1	73.5	70.0	66.4	62.7	58.9	55.2
77.5°	89.8	86.8	83.8	80.8	77.4	73.9	70.3	66.8	63.1	59.3	55.5
75°	90.1	87.1	84.1	81.1	77.8	74.3	70.8	67.2	63.5	59.8	56.0
72.5°	90.5	87.5	84.5	81.5	78.3	74.8	71.3	67.7	64.1	60.3	56.5
70°	90.9	88.0	85.0	82.0	78.9	75.4	71.9	68.3	64.7	60.9	57.2
67.5°	91.4	88.4	85.5	82.6	79.5	76.0	72.5	69.0	65.4	61.7	57.8
65°	91.9	89.0	86.1	83.2	80.2	76.8	73.3	69.8	66.2	62.4	58.3
62.5°	92.4	89.6	86.7	83.9	80.9	77.6	74.2	70.7	67.1	63.3	59.2
60°	93.0	90.3	87.5	84.6	81.7	78.6	75.1	71.6	68.1	64.4	60.4
57.5°	93.5	91.0	88.2	85.4	82.6	79.6	76.2	72.7	69.2	65.6	61.7
55°	94.2	91.8	89.1	86.3	83.5	80.6	77.3	73.9	70.4	66.8	63.0
52.5°	94.8	92.6	90.0	87.3	84.5	81.7	78.6	75.1	71.6	68.1	64.4
50°	95.6	93.5	91.0	88.3	85.6	82.9	79.9	76.5	73.0	69.5	65.9
47.5°	96.5	94.5	92.0	89.5	87.1	84.3	81.3	78.0	74.6	71.0	67.4
45°	97.7	95.5	93.1	91.0	88.5	85.7	82.7	79.6	76.2	72.8	69.3
42.5°	99.0	96.5	94.4	92.7	90.0	87.1	84.2	81.3	78.1	75.0	71.3
40°	100.0	97.5	95.9	94.0	91.5	88.7	85.9	83.1	80.6	77.2	73.4
37.5°	100.9	98.9	97.4	95.3	93.0	90.4	87.7	85.2	82.7	79.4	76.1
35°	101.7	100.3	98.7	96.7	94.6	92.2	89.6	87.4	85.0	82.3	79.0
32.5°	102.9	101.9	100.0	98.3	96.4	94.1	91.6	90.0	87.7	85.2	81.8
30°	104.8	103.2	101.5	100.1	98.3	96.3	94.3	92.9	90.7	88.2	85.9
27.5°	107.6	104.6	103.2	102.0	100.4	98.8	97.7	95.9	94.0	92.0	90.7
25°	110.8	108.5	105.0	104.0	102.9	102.0	101.3	99.8	97.9	96.7	95.7
22.5°	114.2	113.0	110.7	106.1	105.6	105.4	105.2	105.0	104.7	102.5	101.2
20°	118.1	118.3	117.4	114.7	110.1	109.0	109.5	111.3	113.6	113.9	110.6
17.5°	122.2	124.0	124.8	124.7	123.6	120.0	114.4	118.5	124.3	127.6	128.5
15°	126.7	130.0	132.9	135.8	139.2	143.8	146.1	139.0	136.8	143.7	150.3
12.5°	131.4	136.3	141.5	147.6	156.7	172.1	191.3	208.2	212.9	193.2	181.1
10°	136.2	142.9	150.5	160.1	175.4	203.9	242.8	288.2	333.6	392.5	466.0
7.5°	151.1	158.8	166.3	173.0	195.1	237.9	298.5	375.8	468.6	627.8	914.7
5°	167.8	185.3	219.7	254.3	292.3	340.8	401.2	470.0	611.9	885.3	1422.7
2.5°	184.7	212.2	275.1	348.7	440.9	551.4	697.2	880.9	1132.5	1732.5	2732.8
0°	201.3	238.9	330.2	443.0	589.8	761.9	993.3	1292.4	1727.0	2860.5	4720.1
-2.5°	266.3	351.6	471.8	624.5	808.4	1025.3	1309.8	1675.0	2273.8	3737.9	6338.2
-5°	329.0	459.9	608.9	799.5	1019.2	1278.4	1611.8	2037.3	2791.8	4569.2	7723.8
-7.5°	387.3	560.5	739.7	965.1	1222.6	1531.7	1917.8	2411.0	3312.3	5358.6	8808.2
-10°	443.8	656.7	868.3	1119.7	1416.1	1773.5	2204.6	2748.1	3730.0	5892.5	9529.7
-12.5°	519.7	749.3	988.4	1261.3	1590.5	1989.0	2462.1	3041.6	4020.9	6115.2	9928.2
-15°	587.0	831.7	1097.4	1388.2	1742.5	2174.0	2686.5	3285.5	4188.4	6087.9	10032.3
-17.5°	644.2	903.0	1193.9	1498.7	1869.4	2324.8	2870.2	3484.6	4344.1	6109.4	9877.6
-20°	690.2	962.1	1276.8	1591.3	1971.6	2439.1	2998.1	3652.9	4524.5	6059.7	9100.7



REPORT NUMBER: P1212096 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-40-80-4S-ECV

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	723.9	1008.2	1341.7	1673.9	2064.0	2526.2	3082.5	3752.8	4587.7	5751.6	8523.3
-25°	750.8	1043.6	1386.1	1747.5	2137.1	2586.5	3121.0	3786.8	4597.6	6019.3	8485.9
-27.5°	772.3	1061.9	1419.9	1803.1	2190.5	2627.6	3149.2	3789.0	4746.1	6118.7	8088.7
-30°	782.4	1073.1	1435.1	1836.2	2232.4	2665.8	3158.0	3824.0	4751.3	6074.0	7904.8
-32.5°	787.2	1072.0	1434.8	1836.6	2255.1	2681.3	3188.5	3848.9	4701.7	5827.5	7480.4
-35°	785.5	1071.8	1418.7	1814.6	2254.0	2693.1	3213.1	3828.0	4575.4	5592.9	7081.9
-37.5°	774.0	1055.4	1385.7	1774.6	2206.8	2690.1	3189.3	3779.8	4476.9	5338.6	6672.9
-40°	748.9	1022.7	1346.5	1719.9	2147.1	2640.7	3146.1	3691.5	4337.5	5186.2	6213.3
-42.5°	712.8	979.7	1292.1	1646.5	2064.8	2539.5	3063.2	3588.1	4200.0	4954.7	5871.7
-45°	683.2	920.7	1220.0	1561.3	1953.4	2407.2	2910.7	3457.9	4037.8	4700.8	5492.3
-47.5°	641.8	853.0	1133.5	1451.2	1820.2	2243.8	2722.8	3252.1	3832.7	4442.4	5110.3
-50°	596.5	790.3	1026.2	1325.4	1665.2	2055.2	2498.1	3005.4	3547.6	4133.6	4755.6
-52.5°	564.3	714.4	927.8	1182.5	1494.5	1846.8	2260.7	2728.5	3230.4	3760.8	4370.6
-55°	524.6	656.4	820.8	1044.8	1309.8	1627.0	2007.2	2437.1	2890.6	3378.2	3926.8
-57.5°	487.6	596.3	729.8	904.5	1134.0	1398.8	1749.3	2127.8	2542.8	2979.8	3448.8
-60°	450.5	537.5	647.0	786.4	955.5	1198.1	1481.6	1813.3	2178.5	2563.9	2975.7
-62.5°	412.0	483.5	569.6	677.1	817.0	998.2	1242.7	1514.8	1802.8	2130.9	2482.5
-65°	384.1	431.2	499.4	584.9	680.7	840.2	1026.0	1232.4	1482.3	1736.0	1992.6
-67.5°	353.1	394.4	440.4	496.2	581.2	697.4	823.7	996.0	1186.0	1385.9	1597.1
-70°	333.7	357.9	394.6	438.0	492.3	575.3	682.9	798.7	924.8	1075.8	1253.8
-72.5°	316.2	337.6	360.2	384.0	429.5	491.6	561.2	637.9	734.9	850.1	972.0
-75°	301.4	316.9	336.1	356.7	385.0	421.0	463.1	522.7	592.6	669.8	750.5
-77.5°	288.8	303.0	317.2	331.6	351.1	378.2	408.7	442.3	485.7	534.2	584.8
-80°	277.4	288.7	301.5	314.4	329.7	346.8	365.2	384.8	413.6	448.4	487.6
-82.5°	268.3	278.8	289.3	299.7	310.4	321.6	333.7	347.9	370.0	394.0	419.2
-85°	259.4	268.7	278.3	287.8	296.1	304.7	313.6	322.8	337.4	352.9	369.0
-87.5°	251.8	260.5	269.1	277.7	283.6	289.6	295.8	302.0	311.6	321.4	331.4
-90°	89.2	86.1	83.1	80.0	76.5	72.9	69.4	65.8	62.1	58.3	54.6



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	308.5	317.5	326.4	335.4	344.3	355.8	367.4	378.9	390.4	402.2	413.9
87.5°	50.8	47.1	43.3	39.5	35.7	32.0	28.2	24.5	20.7	17.2	13.7
85°	51.0	47.2	43.4	39.6	35.8	32.1	28.3	24.5	20.8	17.2	13.7
82.5°	51.1	47.3	43.3	39.3	35.4	31.7	28.1	24.5	20.9	17.3	13.8
80°	51.4	47.5	43.6	39.7	35.9	32.2	28.5	24.8	21.0	17.4	13.9
77.5°	51.8	48.0	44.2	40.3	36.5	32.7	28.9	25.0	21.2	17.6	14.0
75°	52.2	48.4	44.5	40.5	36.5	32.6	28.8	25.1	21.4	17.8	14.1
72.5°	52.7	48.8	44.7	40.6	36.5	32.6	28.8	24.9	21.0	17.4	13.9
70°	53.3	49.4	45.3	41.2	37.0	33.0	29.1	25.1	21.2	17.5	14.0
67.5°	53.8	49.7	45.5	41.5	37.5	33.5	29.6	25.6	21.6	17.8	14.3
65°	54.2	50.1	46.1	42.2	38.2	34.2	30.2	26.3	22.5	18.7	15.0
62.5°	55.1	51.1	47.3	43.3	39.1	34.9	30.9	26.9	22.8	18.8	14.9
60°	56.6	52.8	48.7	44.4	40.1	35.7	31.5	27.3	23.1	19.0	15.2
57.5°	57.9	53.9	49.8	45.5	41.1	36.7	32.3	28.0	23.7	19.4	15.6
55°	59.1	55.1	51.1	46.7	42.2	37.7	33.2	28.9	24.5	20.0	16.0
52.5°	60.4	56.4	52.4	48.0	43.3	38.8	34.3	29.8	25.3	20.7	16.5
50°	61.9	57.9	53.4	48.8	44.5	40.1	35.5	30.9	26.2	21.5	17.1
47.5°	63.5	59.2	55.0	50.9	46.5	41.7	36.8	32.0	27.3	22.4	17.8
45°	65.4	61.2	57.1	52.8	48.2	43.4	38.4	33.3	28.4	23.4	18.5
42.5°	67.3	63.3	59.1	54.8	50.2	45.1	39.9	34.8	29.8	24.6	19.3
40°	69.6	65.5	61.6	57.1	51.9	46.6	41.8	36.6	31.2	25.8	20.3
37.5°	72.3	68.6	64.3	59.3	54.5	49.5	44.3	38.8	33.0	27.7	22.1
35°	75.3	71.7	67.3	63.2	58.5	53.0	47.7	42.5	36.6	31.2	25.2
32.5°	79.1	75.7	71.9	68.1	63.4	58.3	52.9	48.4	42.7	36.9	30.5
30°	83.9	80.5	77.2	73.8	69.5	65.1	61.0	56.4	51.7	45.5	36.2
27.5°	88.6	85.9	83.0	79.5	76.7	73.2	69.4	64.5	56.3	47.3	37.0
25°	94.0	91.9	88.6	86.2	84.2	81.4	75.5	67.9	56.2	44.6	34.2
22.5°	100.2	98.0	95.7	93.8	92.8	87.9	78.5	66.1	53.7	42.6	33.5
20°	106.6	104.5	106.8	107.5	101.8	96.1	81.6	67.8	56.5	49.0	42.0
17.5°	125.1	116.3	125.3	133.3	126.2	108.0	99.0	82.6	73.6	64.9	53.8
15°	158.9	169.6	171.9	169.5	168.0	153.9	130.8	126.9	116.0	108.3	97.2
12.5°	210.0	252.8	318.5	415.7	251.9	230.6	338.8	339.1	284.3	223.2	207.8
10°	510.4	365.4	626.6	1379.5	2614.9	3034.7	1177.7	3488.5	5181.3	7849.0	2524.9
7.5°	1474.5	2070.9	2685.9	3737.0	6956.1	12093.8	16327.9	22168.0	33682.1	42877.5	49973.1
5°	2623.1	4237.5	6528.0	9679.1	15768.4	24935.0	36491.0	54229.3	71621.6	93827.9	115157.1
2.5°	4575.8	7346.9	11033.6	16109.3	25416.4	39020.9	57400.1	85575.0	112262.7	137287.7	157683.7
0°	7575.8	12471.8	17276.6	26550.2	40185.6	60741.2	86439.2	124978.7	161895.6	199765.8	232939.5
-2.5°	10309.2	15123.0	22270.2	32852.9	49397.1	69950.1	99002.3	138934.8	187020.5	226177.5	265120.1
-5°	12510.9	18015.1	25982.4	36624.3	52699.7	73079.3	101359.4	141816.7	190045.2	229347.0	263360.5
-7.5°	14092.3	20497.7	28797.3	39352.2	54691.5	76025.5	104532.1	142502.0	187754.7	233485.0	268436.0
-10°	15028.3	22150.1	30623.2	41432.3	56698.9	78173.0	105456.0	141333.6	187840.0	234116.1	275914.9
-12.5°	15563.3	22929.5	31307.4	41624.7	56421.8	78771.8	107183.3	141291.5	181590.0	226982.8	269715.2
-15°	15779.0	23055.7	31392.9	42502.2	57561.9	77067.8	103862.1	135966.4	172660.2	214008.0	253980.6
-17.5°	15566.3	22770.3	32049.2	43253.3	57347.4	74503.2	99117.3	128077.6	163793.3	202532.1	235701.8
-20°	14748.2	22645.0	31967.1	42937.5	56135.2	72306.6	92743.2	121902.6	156251.8	190681.8	222050.7



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CATALOG NUMBER: EPH-LS12-1000R-40-80-4S-ECV

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	13979.8	21464.1	30652.2	41089.1	53169.8	67949.4	87604.2	115545.2	146867.8	175313.7	204700.1
-25°	12615.0	19203.2	28023.7	37937.9	49025.4	62603.0	82836.6	106690.5	132048.4	156065.5	181097.5
-27.5°	11551.3	17005.4	24388.5	33654.6	43892.3	57711.8	75373.4	95733.8	116859.8	137906.9	159065.0
-30°	10456.6	14832.8	21073.5	28649.9	39005.7	51415.7	65875.9	83459.0	102034.8	120496.5	139096.1
-32.5°	9920.2	13167.8	17859.7	24491.5	33399.9	44235.7	56201.7	71393.3	87676.6	104029.9	119989.6
-35°	9176.9	11927.0	15331.6	20972.4	27919.6	36872.1	47573.1	59759.4	72427.7	86415.2	100447.1
-37.5°	8392.3	10655.0	13835.9	18010.6	23548.3	29966.0	38777.4	48848.4	59150.8	69870.2	80922.5
-40°	7668.2	9455.6	12287.1	15626.1	19868.9	24985.8	31596.5	38667.7	46445.2	55112.0	63440.1
-42.5°	6970.9	8637.7	10783.3	13533.1	16760.3	21131.3	26091.1	31235.1	37057.9	43391.1	49489.6
-45°	6434.8	7835.1	9505.5	11657.8	14274.5	17754.0	21628.1	25714.9	30104.9	34636.4	38760.8
-47.5°	6008.8	7107.7	8478.6	10048.2	12192.2	14843.8	17699.7	20833.7	24386.0	27904.4	30811.1
-50°	5557.8	6482.7	7569.7	8826.7	10546.2	12482.0	14557.0	16975.3	19659.7	22386.1	24481.4
-52.5°	5088.6	5883.8	6755.1	7820.6	9147.2	10594.8	12148.0	13974.1	15910.0	17888.9	19327.3
-55°	4559.2	5251.5	5990.0	6934.4	7959.2	9037.4	10216.6	11611.5	13033.8	14463.6	15427.4
-57.5°	3986.0	4578.1	5235.1	6011.5	6861.6	7774.5	8743.5	9762.4	10814.0	11847.0	12525.3
-60°	3408.2	3858.8	4420.2	5053.8	5719.6	6412.1	7248.5	8103.4	8949.6	9719.5	10254.0
-62.5°	2858.2	3252.9	3685.3	4153.9	4647.3	5188.8	5851.6	6532.1	7220.7	7827.7	8267.2
-65°	2275.6	2607.9	2982.1	3359.6	3738.0	4160.2	4650.6	5149.0	5649.5	6063.7	6360.1
-67.5°	1827.5	2063.7	2330.6	2610.5	2924.1	3263.3	3633.8	4005.3	4374.2	4672.7	4909.0
-70°	1435.2	1622.1	1815.6	2019.8	2247.6	2506.6	2793.0	3074.3	3349.2	3553.3	3711.6
-72.5°	1099.6	1237.3	1390.2	1557.3	1723.0	1908.5	2115.1	2327.6	2543.4	2708.0	2848.0
-75°	834.2	928.0	1040.4	1157.5	1278.2	1411.9	1551.6	1691.4	1830.2	1935.0	2027.4
-77.5°	646.1	717.6	791.5	866.0	940.7	1024.3	1111.1	1198.4	1285.6	1348.3	1404.7
-80°	528.3	574.4	622.6	671.9	722.0	776.4	831.9	887.5	943.0	984.1	1022.7
-82.5°	445.3	476.1	508.1	540.8	574.0	610.3	647.0	683.9	720.6	747.8	773.8
-85°	385.6	406.4	427.7	449.5	471.5	496.4	521.6	546.9	572.1	592.1	611.7
-87.5°	341.6	355.2	369.1	383.0	397.0	413.7	430.4	447.2	463.9	479.0	494.0
-90°	50.8	47.0	43.3	39.5	35.7	32.0	28.2	24.5	20.7	17.4	14.1



REPORT NUMBER: P1212096 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-40-80-4S-ECV

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	425.7	437.4	440.7	444.0	440.7	437.4	425.7	413.9	402.2	390.4	378.9
87.5°	10.1	6.6	4.3	1.9	4.3	6.6	10.1	13.7	17.2	20.7	24.5
85°	10.2	6.6	4.3	1.9	4.3	6.6	10.2	13.7	17.2	20.8	24.5
82.5°	10.2	6.7	3.8	0.9	3.8	6.7	10.2	13.8	17.3	20.9	24.5
80°	10.3	6.7	4.3	1.9	4.3	6.7	10.3	13.9	17.4	21.0	24.8
77.5°	10.4	6.8	3.8	0.9	3.8	6.8	10.4	14.0	17.6	21.2	25.0
75°	10.5	6.8	3.9	0.9	3.9	6.8	10.5	14.1	17.8	21.4	25.1
72.5°	10.4	6.9	4.4	1.9	4.4	6.9	10.4	13.9	17.4	21.0	24.9
70°	10.5	7.0	3.9	0.9	3.9	7.0	10.5	14.0	17.5	21.2	25.1
67.5°	10.7	7.1	4.0	0.9	4.0	7.1	10.7	14.3	17.8	21.6	25.6
65°	11.2	7.3	4.0	0.9	4.0	7.3	11.2	15.0	18.7	22.5	26.3
62.5°	11.2	7.4	3.7	0.0	3.7	7.4	11.2	14.9	18.8	22.8	26.9
60°	11.4	7.6	3.8	0.0	3.8	7.6	11.4	15.2	19.0	23.1	27.3
57.5°	11.7	7.8	3.9	0.0	3.9	7.8	11.7	15.6	19.4	23.7	28.0
55°	12.1	8.0	4.0	0.0	4.0	8.0	12.1	16.0	20.0	24.5	28.9
52.5°	12.4	8.3	4.2	0.0	4.2	8.3	12.4	16.5	20.7	25.3	29.8
50°	12.9	8.6	4.3	0.0	4.3	8.6	12.9	17.1	21.5	26.2	30.9
47.5°	13.4	8.9	4.5	0.0	4.5	8.9	13.4	17.8	22.4	27.3	32.0
45°	13.9	9.3	4.7	0.0	4.7	9.3	13.9	18.5	23.4	28.4	33.3
42.5°	14.6	9.7	5.1	0.9	5.1	9.7	14.6	19.3	24.6	29.8	34.8
40°	15.3	10.2	5.1	0.0	5.1	10.2	15.3	20.3	25.8	31.2	36.6
37.5°	16.6	11.0	5.4	0.0	5.4	11.0	16.6	22.1	27.7	33.0	38.8
35°	18.9	12.4	5.9	0.9	5.9	12.4	18.9	25.2	31.2	36.6	42.5
32.5°	23.0	15.7	7.8	0.0	7.8	15.7	23.0	30.5	36.9	42.7	48.4
30°	27.7	18.5	8.5	0.0	8.5	18.5	27.7	36.2	45.5	51.7	56.4
27.5°	27.1	17.0	7.4	0.0	7.4	17.0	27.1	37.0	47.3	56.3	64.5
25°	25.0	16.9	9.5	4.7	9.5	16.9	25.0	34.2	44.6	56.2	67.9
22.5°	27.2	19.9	13.6	11.3	13.6	19.9	27.2	33.5	42.6	53.7	66.1
20°	34.1	26.2	20.6	16.9	20.6	26.2	34.1	42.0	49.0	56.5	67.8
17.5°	49.7	41.1	32.7	29.2	32.7	41.1	49.7	53.8	64.9	73.6	82.6
15°	89.3	79.5	69.6	64.9	69.6	79.5	89.3	97.2	108.3	116.0	126.9
12.5°	161.4	142.7	126.2	115.2	126.2	142.7	161.4	207.8	223.2	284.3	339.1
10°	6110.7	5431.4	4836.7	1822.0	4836.7	5431.4	6110.7	2524.9	7849.0	5181.3	3488.5
7.5°	55334.2	62369.1	68776.2	68034.4	68776.2	62369.1	55334.2	49973.1	42877.5	33682.1	22168.0
5°	133229.9	154160.9	156505.7	163283.0	156505.7	154160.9	133229.9	115157.1	93827.9	71621.6	54229.3
2.5°	180312.8	198641.9	205257.1	207515.7	205257.1	198641.9	180312.8	157683.7	137287.7	112262.7	85575.0
0°	262723.1	288309.7	298802.0	301925.3	298802.0	288309.7	262723.1	232939.5	199765.8	161895.6	124978.7
-2.5°	297762.0	324968.4	337493.0	341580.4	337493.0	324968.4	297762.0	265120.1	226177.5	187020.5	138934.8
-5°	293269.3	315583.5	326197.2	329958.0	326197.2	315583.5	293269.3	263360.5	229347.0	190045.2	141816.7
-7.5°	299047.7	318764.5	327674.2	330603.3	327674.2	318764.5	299047.7	268436.0	233485.0	187754.7	142502.0
-10°	306275.5	327330.1	336630.8	336737.1	336630.8	327330.1	306275.5	275914.9	234116.1	187840.0	141333.6
-12.5°	306279.1	329903.6	341733.5	343355.9	341733.5	329903.6	306279.1	269715.2	226982.8	181590.0	141291.5
-15°	290000.8	316284.0	331797.9	336414.5	331797.9	316284.0	290000.8	253980.6	214008.0	172660.2	135966.4
-17.5°	268209.1	292906.1	305237.8	308326.3	305237.8	292906.1	268209.1	235701.8	202532.1	163793.3	128077.6
-20°	248850.2	271382.3	282125.6	285726.7	282125.6	271382.3	248850.2	222050.7	190681.8	156251.8	121902.6



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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°	229759.7	249926.4	261392.6	263772.4	261392.6	249926.4	229759.7	204700.1	175313.7	146867.8	115545.2
-25°	205196.4	222370.6	232992.4	235360.7	232992.4	222370.6	205196.4	181097.5	156065.5	132048.4	106690.5
-27.5°	179245.1	192911.3	203404.0	204647.2	203404.0	192911.3	179245.1	159065.0	137906.9	116859.8	95733.8
-30°	156410.7	167464.7	177083.2	176103.8	177083.2	167464.7	156410.7	139096.1	120496.5	102034.8	83459.0
-32.5°	134074.5	143385.4	150875.3	150466.0	150875.3	143385.4	134074.5	119989.6	104029.9	87676.6	71393.3
-35°	111699.8	119538.4	125326.1	125759.4	125326.1	119538.4	111699.8	100447.1	86415.2	72427.7	59759.4
-37.5°	89703.5	96777.8	101849.9	102247.4	101849.9	96777.8	89703.5	80922.5	69870.2	59150.8	48848.4
-40°	69317.4	74425.6	77819.0	77796.7	77819.0	74425.6	69317.4	63440.1	55112.0	46445.2	38667.7
-42.5°	53501.1	57023.0	59539.9	60623.6	59539.9	57023.0	53501.1	49489.6	43391.1	37057.9	31235.1
-45°	41706.6	44366.8	46039.1	46361.8	46039.1	44366.8	41706.6	38760.8	34636.4	30104.9	25714.9
-47.5°	32968.8	34925.3	36510.9	37679.8	36510.9	34925.3	32968.8	30811.1	27904.4	24386.0	20833.7
-50°	26097.1	27543.1	28487.9	28945.1	28487.9	27543.1	26097.1	24481.4	22386.1	19659.7	16975.3
-52.5°	20539.6	21637.2	22330.0	22681.4	22330.0	21637.2	20539.6	19327.3	17888.9	15910.0	13974.1
-55°	16316.1	17136.4	17612.0	17837.2	17612.0	17136.4	16316.1	15427.4	14463.6	13033.8	11611.5
-57.5°	13156.9	13734.2	14052.7	14209.2	14052.7	13734.2	13156.9	12525.3	11847.0	10814.0	9762.4
-60°	10751.3	11206.2	11510.0	11725.0	11510.0	11206.2	10751.3	10254.0	9719.5	8949.6	8103.4
-62.5°	8679.7	9057.9	9232.1	9307.5	9232.1	9057.9	8679.7	8267.2	7827.7	7220.7	6532.1
-65°	6629.2	6869.8	7038.3	7166.7	7038.3	6869.8	6629.2	6360.1	6063.7	5649.5	5149.0
-67.5°	5129.9	5332.5	5441.2	5512.1	5441.2	5332.5	5129.9	4909.0	4672.7	4374.2	4005.3
-70°	3856.6	3988.0	4083.8	4163.2	4083.8	3988.0	3856.6	3711.6	3553.3	3349.2	3074.3
-72.5°	2979.8	3102.3	3156.1	3191.6	3156.1	3102.3	2979.8	2848.0	2708.0	2543.4	2327.6
-75°	2114.3	2194.8	2220.7	2234.9	2220.7	2194.8	2114.3	2027.4	1935.0	1830.2	1691.4
-77.5°	1458.1	1508.2	1537.7	1562.4	1537.7	1508.2	1458.1	1404.7	1348.3	1285.6	1198.4
-80°	1059.8	1095.4	1109.6	1121.2	1109.6	1095.4	1059.8	1022.7	984.1	943.0	887.5
-82.5°	799.1	823.5	838.4	852.2	838.4	823.5	799.1	773.8	747.8	720.6	683.9
-85°	631.0	649.8	653.5	656.6	653.5	649.8	631.0	611.7	592.1	572.1	546.9
-87.5°	508.8	523.5	528.1	532.4	528.1	523.5	508.8	494.0	479.0	463.9	447.2
-90°	10.8	7.5	4.7	1.9	4.7	7.5	10.8	14.1	17.4	20.7	24.5



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	367.4	355.8	344.3	335.4	326.4	317.5	308.5	302.4	296.3	290.2	284.1
87.5°	28.2	32.0	35.7	39.5	43.3	47.1	50.8	54.6	58.3	62.1	65.8
85°	28.3	32.1	35.8	39.6	43.4	47.2	51.0	54.7	58.5	62.2	66.0
82.5°	28.1	31.7	35.4	39.3	43.3	47.3	51.1	54.9	58.7	62.4	66.1
80°	28.5	32.2	35.9	39.7	43.6	47.5	51.4	55.2	58.9	62.7	66.4
77.5°	28.9	32.7	36.5	40.3	44.2	48.0	51.8	55.5	59.3	63.1	66.8
75°	28.8	32.6	36.5	40.5	44.5	48.4	52.2	56.0	59.8	63.5	67.2
72.5°	28.8	32.6	36.5	40.6	44.7	48.8	52.7	56.5	60.3	64.1	67.7
70°	29.1	33.0	37.0	41.2	45.3	49.4	53.3	57.2	60.9	64.7	68.3
67.5°	29.6	33.5	37.5	41.5	45.5	49.7	53.8	57.8	61.7	65.4	69.0
65°	30.2	34.2	38.2	42.2	46.1	50.1	54.2	58.3	62.4	66.2	69.8
62.5°	30.9	34.9	39.1	43.3	47.3	51.1	55.1	59.2	63.3	67.1	70.7
60°	31.5	35.7	40.1	44.4	48.7	52.8	56.6	60.4	64.4	68.1	71.6
57.5°	32.3	36.7	41.1	45.5	49.8	53.9	57.9	61.7	65.6	69.2	72.7
55°	33.2	37.7	42.2	46.7	51.1	55.1	59.1	63.0	66.8	70.4	73.9
52.5°	34.3	38.8	43.3	48.0	52.4	56.4	60.4	64.4	68.1	71.6	75.1
50°	35.5	40.1	44.5	48.8	53.4	57.9	61.9	65.9	69.5	73.0	76.5
47.5°	36.8	41.7	46.5	50.9	55.0	59.2	63.5	67.4	71.0	74.6	78.0
45°	38.4	43.4	48.2	52.8	57.1	61.2	65.4	69.3	72.8	76.2	79.6
42.5°	39.9	45.1	50.2	54.8	59.1	63.3	67.3	71.3	75.0	78.1	81.3
40°	41.8	46.6	51.9	57.1	61.6	65.5	69.6	73.4	77.2	80.6	83.1
37.5°	44.3	49.5	54.5	59.3	64.3	68.6	72.3	76.1	79.4	82.7	85.2
35°	47.7	53.0	58.5	63.2	67.3	71.7	75.3	79.0	82.3	85.0	87.4
32.5°	52.9	58.3	63.4	68.1	71.9	75.7	79.1	81.8	85.2	87.7	90.0
30°	61.0	65.1	69.5	73.8	77.2	80.5	83.9	85.9	88.2	90.7	92.9
27.5°	69.4	73.2	76.7	79.5	83.0	85.9	88.6	90.7	92.0	94.0	95.9
25°	75.5	81.4	84.2	86.2	88.6	91.9	94.0	95.7	96.7	97.9	99.8
22.5°	78.5	87.9	92.8	93.8	95.7	98.0	100.2	101.2	102.5	104.7	105.0
20°	81.6	96.1	101.8	107.5	106.8	104.5	106.6	110.6	113.9	113.6	111.3
17.5°	99.0	108.0	126.2	133.3	125.3	116.3	125.1	128.5	127.6	124.3	118.5
15°	130.8	153.9	168.0	169.5	171.9	169.6	158.9	150.3	143.7	136.8	139.0
12.5°	338.8	230.6	251.9	415.7	318.5	252.8	210.0	181.1	193.2	212.9	208.2
10°	1177.7	3034.7	2614.9	1379.5	626.6	365.4	510.4	466.0	392.5	333.6	288.2
7.5°	16327.9	12093.8	6956.1	3737.0	2685.9	2070.9	1474.5	914.7	627.8	468.6	375.8
5°	36491.0	24935.0	15768.4	9679.1	6528.0	4237.5	2623.1	1422.7	885.3	611.9	470.0
2.5°	57400.1	39020.9	25416.4	16109.3	11033.6	7346.9	4575.8	2732.8	1732.5	1132.5	880.9
0°	86439.2	60741.2	40185.6	26550.2	17276.6	12471.8	7575.8	4720.1	2860.5	1727.0	1292.4
-2.5°	99002.3	69950.1	49397.1	32852.9	22270.2	15123.0	10309.2	6338.2	3737.9	2273.8	1675.0
-5°	101359.4	73079.3	52699.7	36624.3	25982.4	18015.1	12510.9	7723.8	4569.2	2791.8	2037.3
-7.5°	104532.1	76025.5	54691.5	39352.2	28797.3	20497.7	14092.3	8808.2	5358.6	3312.3	2411.0
-10°	105456.0	78173.0	56698.9	41432.3	30623.2	22150.1	15028.3	9529.7	5892.5	3730.0	2748.1
-12.5°	107183.3	78771.8	56421.8	41624.7	31307.4	22929.5	15563.3	9928.2	6115.2	4020.9	3041.6
-15°	103862.1	77067.8	57561.9	42502.2	31392.9	23055.7	15779.0	10032.3	6087.9	4188.4	3285.5
-17.5°	99117.3	74503.2	57347.4	43253.3	32049.2	22770.3	15566.3	9877.6	6109.4	4344.1	3484.6
-20°	92743.2	72306.6	56135.2	42937.5	31967.1	22645.0	14748.2	9100.7	6059.7	4524.5	3652.9



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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°	87604.2	67949.4	53169.8	41089.1	30652.2	21464.1	13979.8	8523.3	5751.6	4587.7	3752.8
-25°	82836.6	62603.0	49025.4	37937.9	28023.7	19203.2	12615.0	8485.9	6019.3	4597.6	3786.8
-27.5°	75373.4	57711.8	43892.3	33654.6	24388.5	17005.4	11551.3	8088.7	6118.7	4746.1	3789.0
-30°	65875.9	51415.7	39005.7	28649.9	21073.5	14832.8	10456.6	7904.8	6074.0	4751.3	3824.0
-32.5°	56201.7	44235.7	33399.9	24491.5	17859.7	13167.8	9920.2	7480.4	5827.5	4701.7	3848.9
-35°	47573.1	36872.1	27919.6	20972.4	15331.6	11927.0	9176.9	7081.9	5592.9	4575.4	3828.0
-37.5°	38777.4	29966.0	23548.3	18010.6	13835.9	10655.0	8392.3	6672.9	5338.6	4476.9	3779.8
-40°	31596.5	24985.8	19868.9	15626.1	12287.1	9455.6	7668.2	6213.3	5186.2	4337.5	3691.5
-42.5°	26091.1	21131.3	16760.3	13533.1	10783.3	8637.7	6970.9	5871.7	4954.7	4200.0	3588.1
-45°	21628.1	17754.0	14274.5	11657.8	9505.5	7835.1	6434.8	5492.3	4700.8	4037.8	3457.9
-47.5°	17699.7	14843.8	12192.2	10048.2	8478.6	7107.7	6008.8	5110.3	4442.4	3832.7	3252.1
-50°	14557.0	12482.0	10546.2	8826.7	7569.7	6482.7	5557.8	4755.6	4133.6	3547.6	3005.4
-52.5°	12148.0	10594.8	9147.2	7820.6	6755.1	5883.8	5088.6	4370.6	3760.8	3230.4	2728.5
-55°	10216.6	9037.4	7959.2	6934.4	5990.0	5251.5	4559.2	3926.8	3378.2	2890.6	2437.1
-57.5°	8743.5	7774.5	6861.6	6011.5	5235.1	4578.1	3986.0	3448.8	2979.8	2542.8	2127.8
-60°	7248.5	6412.1	5719.6	5053.8	4420.2	3858.8	3408.2	2975.7	2563.9	2178.5	1813.3
-62.5°	5851.6	5188.8	4647.3	4153.9	3685.3	3252.9	2858.2	2482.5	2130.9	1802.8	1514.8
-65°	4650.6	4160.2	3738.0	3359.6	2982.1	2607.9	2275.6	1992.6	1736.0	1482.3	1232.4
-67.5°	3633.8	3263.3	2924.1	2610.5	2330.6	2063.7	1827.5	1597.1	1385.9	1186.0	996.0
-70°	2793.0	2506.6	2247.6	2019.8	1815.6	1622.1	1435.2	1253.8	1075.8	924.8	798.7
-72.5°	2115.1	1908.5	1723.0	1557.3	1390.2	1237.3	1099.6	972.0	850.1	734.9	637.9
-75°	1551.6	1411.9	1278.2	1157.5	1040.4	928.0	834.2	750.5	669.8	592.6	522.7
-77.5°	1111.1	1024.3	940.7	866.0	791.5	717.6	646.1	584.8	534.2	485.7	442.3
-80°	831.9	776.4	722.0	671.9	622.6	574.4	528.3	487.6	448.4	413.6	384.8
-82.5°	647.0	610.3	574.0	540.8	508.1	476.1	445.3	419.2	394.0	370.0	347.9
-85°	521.6	496.4	471.5	449.5	427.7	406.4	385.6	369.0	352.9	337.4	322.8
-87.5°	430.4	413.7	397.0	383.0	369.1	355.2	341.6	331.4	321.4	311.6	302.0
-90°	28.2	32.0	35.7	39.5	43.3	47.0	50.8	54.6	58.3	62.1	65.8



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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°	280.1	276.1	272.1	268.1	260.1	252.1	244.1	236.1	221.7	207.4	193.0
87.5°	69.4	72.9	76.5	80.0	83.1	86.1	89.2	92.2	94.6	96.9	99.3
85°	69.5	73.1	76.6	80.1	83.2	86.2	89.3	92.3	94.6	97.0	99.3
82.5°	69.7	73.2	76.8	80.3	83.3	86.4	89.4	92.4	94.7	97.1	99.4
80°	70.0	73.5	77.1	80.5	83.5	86.6	89.6	92.5	95.0	97.3	99.6
77.5°	70.3	73.9	77.4	80.8	83.8	86.8	89.8	92.7	95.2	97.7	100.0
75°	70.8	74.3	77.8	81.1	84.1	87.1	90.1	93.0	95.5	98.0	100.3
72.5°	71.3	74.8	78.3	81.5	84.5	87.5	90.5	93.3	95.7	98.2	100.7
70°	71.9	75.4	78.9	82.0	85.0	88.0	90.9	93.6	96.0	98.5	101.0
67.5°	72.5	76.0	79.5	82.6	85.5	88.4	91.4	93.9	96.4	98.8	101.2
65°	73.3	76.8	80.2	83.2	86.1	89.0	91.9	94.4	96.8	99.1	101.5
62.5°	74.2	77.6	80.9	83.9	86.7	89.6	92.4	94.8	97.2	99.5	101.9
60°	75.1	78.6	81.7	84.6	87.5	90.3	93.0	95.3	97.6	99.9	102.2
57.5°	76.2	79.6	82.6	85.4	88.2	91.0	93.5	95.8	98.1	100.4	102.6
55°	77.3	80.6	83.5	86.3	89.1	91.8	94.2	96.4	98.6	100.9	102.8
52.5°	78.6	81.7	84.5	87.3	90.0	92.6	94.8	97.0	99.2	101.4	103.2
50°	79.9	82.9	85.6	88.3	91.0	93.5	95.6	97.7	99.8	101.9	103.6
47.5°	81.3	84.3	87.1	89.5	92.0	94.5	96.5	98.4	100.5	102.5	104.0
45°	82.7	85.7	88.5	91.0	93.1	95.5	97.7	99.2	101.1	103.0	104.5
42.5°	84.2	87.1	90.0	92.7	94.4	96.5	99.0	100.3	101.8	103.7	105.1
40°	85.9	88.7	91.5	94.0	95.9	97.5	100.0	101.6	102.6	104.5	105.7
37.5°	87.7	90.4	93.0	95.3	97.4	98.9	100.9	103.1	103.8	105.4	106.4
35°	89.6	92.2	94.6	96.7	98.7	100.3	101.7	104.4	105.5	106.4	107.2
32.5°	91.6	94.1	96.4	98.3	100.0	101.9	102.9	105.7	107.2	107.6	108.0
30°	94.3	96.3	98.3	100.1	101.5	103.2	104.8	107.4	109.0	108.9	108.9
27.5°	97.7	98.8	100.4	102.0	103.2	104.6	107.6	109.3	110.9	110.4	110.0
25°	101.3	102.0	102.9	104.0	105.0	108.5	110.8	111.5	112.7	112.0	111.1
22.5°	105.2	105.4	105.6	106.1	110.7	113.0	114.2	114.2	114.5	113.7	112.3
20°	109.5	109.0	110.1	114.7	117.4	118.3	118.1	117.1	116.5	115.3	113.5
17.5°	114.4	120.0	123.6	124.7	124.8	124.0	122.2	120.2	118.6	117.0	114.8
15°	146.1	143.8	139.2	135.8	132.9	130.0	126.7	123.3	120.8	118.7	117.7
12.5°	191.3	172.1	156.7	147.6	141.5	136.3	131.4	126.5	123.1	123.0	122.5
10°	242.8	203.9	175.4	160.1	150.5	142.9	136.2	132.3	130.7	129.4	127.3
7.5°	298.5	237.9	195.1	173.0	166.3	158.8	151.1	143.4	139.1	135.8	132.2
5°	401.2	340.8	292.3	254.3	219.7	185.3	167.8	154.6	147.6	142.3	137.1
2.5°	697.2	551.4	440.9	348.7	275.1	212.2	184.7	165.7	156.2	148.8	141.9
0°	993.3	761.9	589.8	443.0	330.2	238.9	201.3	176.8	164.6	155.2	146.7
-2.5°	1309.8	1025.3	808.4	624.5	471.8	351.6	266.3	213.3	182.0	164.9	153.0
-5°	1611.8	1278.4	1019.2	799.5	608.9	459.9	329.0	248.5	198.8	174.3	159.2
-7.5°	1917.8	1531.7	1222.6	965.1	739.7	560.5	387.3	281.1	214.7	183.2	165.3
-10°	2204.6	1773.5	1416.1	1119.7	868.3	656.7	443.8	310.2	229.3	191.7	171.1
-12.5°	2462.1	1989.0	1590.5	1261.3	988.4	749.3	519.7	355.7	245.6	199.5	176.7
-15°	2686.5	2174.0	1742.5	1388.2	1097.4	831.7	587.0	406.0	283.3	214.0	182.0
-17.5°	2870.2	2324.8	1869.4	1498.7	1193.9	903.0	644.2	450.0	316.5	236.2	192.3
-20°	2998.1	2439.1	1971.6	1591.3	1276.8	962.1	690.2	487.0	344.4	255.6	205.8



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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°	3082.5	2526.2	2064.0	1673.9	1341.7	1008.2	723.9	516.4	366.3	271.9	217.8
-25°	3121.0	2586.5	2137.1	1747.5	1386.1	1043.6	750.8	537.5	381.7	284.8	228.3
-27.5°	3149.2	2627.6	2190.5	1803.1	1419.9	1061.9	772.3	555.4	392.9	293.9	237.1
-30°	3158.0	2665.8	2232.4	1836.2	1435.1	1073.1	782.4	564.0	403.6	302.6	244.0
-32.5°	3188.5	2681.3	2255.1	1836.6	1434.8	1072.0	787.2	562.6	408.7	310.5	250.2
-35°	3213.1	2693.1	2254.0	1814.6	1418.7	1071.8	785.5	551.0	408.1	315.6	255.2
-37.5°	3189.3	2690.1	2206.8	1774.6	1385.7	1055.4	774.0	547.8	401.6	317.9	258.5
-40°	3146.1	2640.7	2147.1	1719.9	1346.5	1022.7	748.9	541.5	398.3	317.2	260.2
-42.5°	3063.2	2539.5	2064.8	1646.5	1292.1	979.7	712.8	525.5	397.8	316.3	260.3
-45°	2910.7	2407.2	1953.4	1561.3	1220.0	920.7	683.2	502.9	392.5	314.4	259.8
-47.5°	2722.8	2243.8	1820.2	1451.2	1133.5	853.0	641.8	489.7	382.2	310.3	259.5
-50°	2498.1	2055.2	1665.2	1325.4	1026.2	790.3	596.5	470.1	374.0	304.3	258.0
-52.5°	2260.7	1846.8	1494.5	1182.5	927.8	714.4	564.3	445.3	361.8	299.1	255.4
-55°	2007.2	1627.0	1309.8	1044.8	820.8	656.4	524.6	424.6	345.9	293.3	251.8
-57.5°	1749.3	1398.8	1134.0	904.5	729.8	596.3	487.6	399.4	333.7	285.8	248.3
-60°	1481.6	1198.1	955.5	786.4	647.0	537.5	450.5	374.3	321.1	277.3	243.6
-62.5°	1242.7	998.2	817.0	677.1	569.6	483.5	412.0	355.3	306.5	270.6	238.2
-65°	1026.0	840.2	680.7	584.9	499.4	431.2	384.1	334.0	295.9	263.1	233.1
-67.5°	823.7	697.4	581.2	496.2	440.4	394.4	353.1	318.7	285.9	254.9	229.5
-70°	682.9	575.3	492.3	438.0	394.6	357.9	333.7	305.8	275.1	249.5	225.4
-72.5°	561.2	491.6	429.5	384.0	360.2	337.6	316.2	292.9	267.7	243.7	220.9
-75°	463.1	421.0	385.0	356.7	336.1	316.9	301.4	283.3	259.8	237.4	217.0
-77.5°	408.7	378.2	351.1	331.6	317.2	303.0	288.8	273.1	252.2	232.4	213.2
-80°	365.2	346.8	329.7	314.4	301.5	288.7	277.4	265.0	246.0	227.3	209.0
-82.5°	333.7	321.6	310.4	299.7	289.3	278.8	268.3	257.3	239.5	221.9	204.9
-85°	313.6	304.7	296.1	287.8	278.3	268.7	259.4	249.9	233.5	217.3	201.2
-87.5°	295.8	289.6	283.6	277.7	269.1	260.5	251.8	243.1	227.7	212.4	197.2
-90°	69.4	72.9	76.5	80.0	83.1	86.1	89.2	92.2	94.6	96.9	99.3



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	178.7	167.2	155.6	144.1	132.6	122.7	112.9
87.5°	101.6	103.3	104.9	106.6	108.2	110.6	112.9
85°	101.6	103.3	104.9	106.6	108.2	110.7	112.9
82.5°	101.7	103.3	105.0	106.6	108.2	110.8	112.9
80°	101.8	103.4	105.0	106.6	108.3	110.8	112.9
77.5°	102.1	103.5	105.1	106.7	108.3	110.9	112.9
75°	102.4	103.7	105.1	106.7	108.4	111.0	112.9
72.5°	102.7	103.9	105.3	106.8	108.5	111.1	112.9
70°	103.0	104.2	105.4	106.8	108.6	111.2	112.9
67.5°	103.1	104.4	105.6	106.9	108.7	111.3	112.9
65°	103.3	104.6	105.8	107.1	108.9	111.4	112.9
62.5°	103.4	104.7	105.9	107.2	109.0	111.5	112.9
60°	103.6	104.9	106.1	107.3	109.2	111.7	112.9
57.5°	103.8	105.0	106.2	107.4	109.4	111.8	112.9
55°	104.1	105.2	106.4	107.5	109.7	111.9	112.9
52.5°	104.4	105.4	106.5	107.6	109.9	112.1	112.9
50°	104.7	105.7	106.7	107.8	110.2	112.2	112.9
47.5°	105.0	105.9	106.8	107.9	110.5	112.4	112.9
45°	105.5	106.3	107.0	108.0	110.8	112.5	112.9
42.5°	106.0	106.6	107.2	108.2	111.2	112.7	112.9
40°	106.5	106.9	107.4	108.6	111.6	112.8	112.9
37.5°	107.1	107.3	107.7	109.2	112.0	113.0	112.9
35°	107.7	107.7	108.0	109.9	112.4	113.2	112.9
32.5°	108.3	108.2	108.3	110.6	112.9	113.4	112.9
30°	109.0	108.8	108.6	111.4	113.3	113.5	112.9
27.5°	109.7	109.3	109.9	112.2	113.8	113.7	112.9
25°	110.5	109.8	111.4	113.0	114.3	113.9	112.9
22.5°	111.2	110.9	112.9	113.9	114.8	114.1	112.9
20°	112.0	113.4	114.6	114.8	115.3	114.3	112.9
17.5°	114.4	115.9	116.3	115.7	115.8	114.5	112.9
15°	118.0	118.5	118.1	116.6	116.4	114.6	112.9
12.5°	121.6	121.2	119.9	117.6	116.9	114.8	112.9
10°	125.3	123.8	121.7	118.5	117.4	115.0	112.9
7.5°	129.0	126.5	123.5	119.5	118.0	115.2	112.9
5°	132.8	129.2	125.3	120.4	118.5	115.4	112.9
2.5°	136.5	131.9	127.1	121.4	119.0	115.5	112.9
0°	140.2	134.5	128.9	122.3	119.5	115.7	112.9
-2.5°	145.1	138.2	131.6	124.2	120.5	116.2	112.9
-5°	149.8	141.9	134.3	126.1	121.5	116.6	112.9
-7.5°	154.5	145.5	136.8	127.9	122.5	117.1	112.9
-10°	159.0	148.9	139.3	129.7	123.5	117.5	112.9
-12.5°	163.4	152.3	141.7	131.5	124.4	118.0	112.9
-15°	167.6	155.5	144.1	133.1	125.3	118.4	112.9
-17.5°	171.6	158.5	146.3	134.7	126.2	118.8	112.9
-20°	177.3	161.4	148.4	136.3	127.0	119.2	112.9



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	185.4	164.1	150.4	137.7	127.8	119.6	112.9
-25°	192.8	168.3	152.2	139.0	128.6	120.0	112.9
-27.5°	199.2	172.7	153.9	140.3	129.3	120.3	112.9
-30°	204.6	176.7	155.6	141.4	130.0	120.7	112.9
-32.5°	209.0	180.2	158.0	142.4	130.6	121.0	112.9
-35°	212.9	183.1	160.1	143.3	131.2	121.3	112.9
-37.5°	216.2	185.5	161.8	144.0	131.8	121.6	112.9
-40°	218.7	187.5	163.2	144.7	132.3	121.8	112.9
-42.5°	220.3	189.0	164.5	145.3	132.7	122.1	112.9
-45°	221.1	190.0	165.5	146.1	133.1	122.3	112.9
-47.5°	221.0	190.5	166.3	146.7	133.5	122.5	112.9
-50°	220.6	190.4	166.9	147.4	133.8	122.7	112.9
-52.5°	219.5	189.9	167.3	148.1	134.0	122.9	112.9
-55°	217.8	189.6	167.3	148.6	134.2	123.0	112.9
-57.5°	215.3	189.2	167.2	148.9	134.3	123.1	112.9
-60°	212.4	188.4	166.8	149.1	134.4	123.2	112.9
-62.5°	210.6	187.3	166.7	149.2	134.5	123.3	112.9
-65°	208.4	185.8	166.3	149.2	134.6	123.4	112.9
-67.5°	205.8	184.4	165.8	149.0	134.6	123.4	112.9
-70°	202.9	183.1	165.1	148.7	134.6	123.4	112.9
-72.5°	200.3	181.5	164.2	148.4	134.5	123.4	112.9
-75°	197.5	179.7	163.1	148.1	134.3	123.4	112.9
-77.5°	194.5	177.7	162.1	147.6	134.1	123.3	112.9
-80°	191.2	175.7	161.1	147.1	133.9	123.2	112.9
-82.5°	188.3	173.8	159.9	146.5	133.7	123.2	112.9
-85°	185.2	171.7	158.6	145.8	133.3	123.0	112.9
-87.5°	182.0	169.5	157.2	145.0	133.0	122.9	112.9
-90°	101.6	103.3	104.9	106.6	108.2	110.6	112.9

(END OF REPORT)