

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: P1212099 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS12-1000R-40-80-5S-ECV**

Issue Date: 11/14/2025

Test Information

Test Method: LM-79-08
Report Number: P1212099 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2509-549-30)
Test Lab: INNOVATION CENTER
Issue Date: 11/14/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: EPHESUS
Catalog Number: EPH-LS12-1000R-40-80-5S-ECV
Description: EPHESUS LS12 LUMINAIRE
(12) 4000K, 80 CRI LEDS AND 5S BEAM SHAPE WITH EXTREME CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

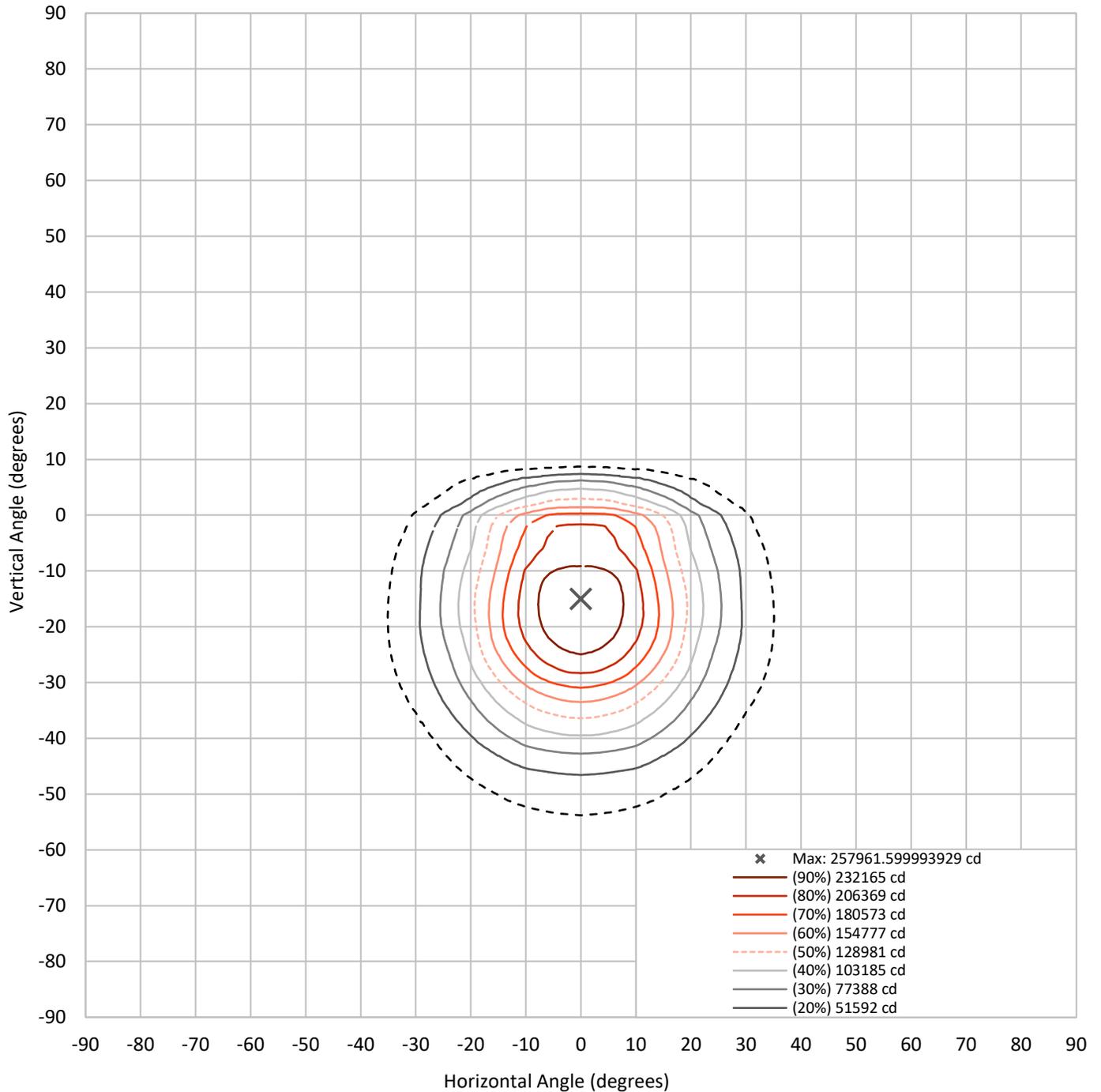
Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	126175 lumens	Max Intensity:	257961.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -15°V
Efficacy:	121.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.83' x L: 0.79' x H: 0')		
Beam Angle (50%):	38.6°H x 39°V	Field Angle (10%):	69.7°H x 62.5°V
Beam Lumens:	72083.1 lumens	Field Lumens:	114985 lumens
Beam Efficiency:	57.1%	Field Efficiency:	91.1%

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-40-80-5S-ECV

Iso-Candela Plot



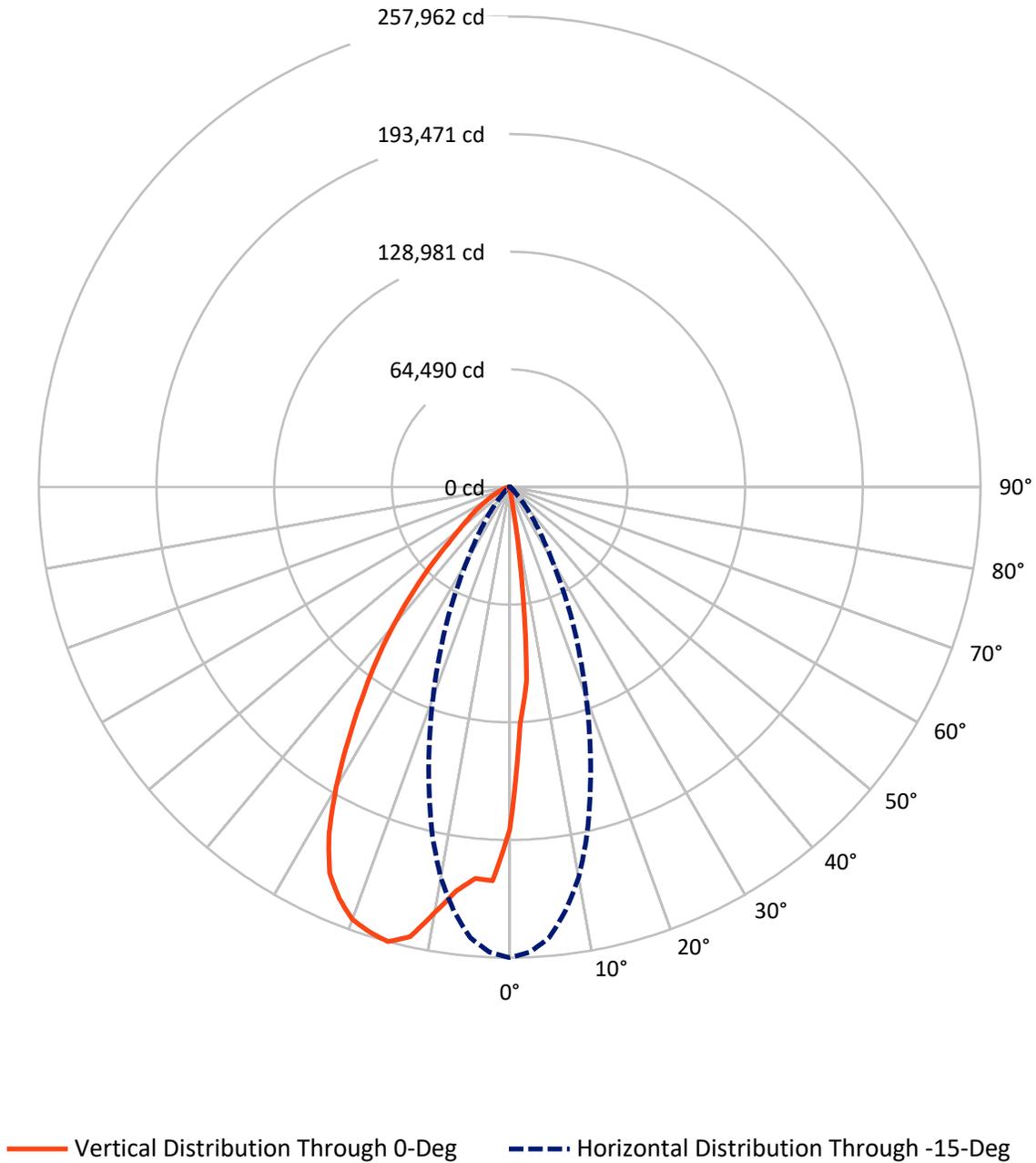
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Lumen Table

90	2.4	6.1	7.1	5.9	4.4	5.9	7.1	6.1	2.4										
80	2.4	6.1	7.1	5.9	4.4	5.9	7.1	6.1	2.4										
70	2.3	1.3	1.5	1.6	1.4	1.1	0.7	0.2	0.2	0.7	1.1	1.4	1.6	1.5	1.3	2.3			
60		1.3	1.6	1.7	1.5	1.2	0.7	0.3	0.3	0.7	1.2	1.5	1.7	1.6	1.3				
50	2.4	1.4	1.7	1.8	1.7	1.4	0.9	0.3	0.3	0.9	1.4	1.7	1.8	1.7	1.4	2.4			
40		1.4	1.8	2.0	2.0	1.7	1.1	0.4	0.4	1.1	1.7	2.0	2.0	1.8	1.4				
30	2.5	1.5	1.9	2.3	2.4	2.3	1.6	0.6	0.6	1.6	2.3	2.4	2.3	1.9	1.5	2.5			
20		1.6	2.4	3.6	5.2	13.2	16.0	12.4	12.4	16.0	13.2	5.2	3.6	2.4	1.6				
10	2.9	2.1	5.2	21.6	132.3	654.8	1739.7	2687.5	2687.5	1739.7	654.8	132.3	21.6	5.2	2.1	2.9			
0		3.8	15.7	86.6	510.8	1869.1	4318.1	6316.4	6316.4	4318.1	1869.1	510.8	86.6	15.7	3.8				
-10	3.9	6.3	27.4	119.1	668.4	2246.1	4966.4	7281.8	7281.8	4966.4	2246.1	668.4	119.1	27.4	6.3	3.9			
-20		7.9	33.7	112.0	617.1	1991.0	4465.8	6541.0	6541.0	4465.8	1991.0	617.1	112.0	33.7	7.9				
-30	4.6	8.1	33.4	100.3	387.6	1304.1	2832.2	4085.9	4085.9	2832.2	1304.1	387.6	100.3	33.4	8.1	4.6			
-40		7.4	27.7	80.7	223.4	614.0	1300.7	1830.0	1830.0	1300.7	614.0	223.4	80.7	27.7	7.4				
-50	4.6	6.1	18.7	52.6	128.6	284.7	513.3	680.9	680.9	513.3	284.7	128.6	52.6	18.7	6.1	4.6			
-60		4.9	11.3	27.2	60.2	117.1	195.2	249.4	249.4	195.2	117.1	60.2	27.2	11.3	4.9				
-70	4.1	19.7	52.4	131.4	195.1	131.4	52.4	19.7	4.1						4.1				
-80		19.7	52.4	131.4	195.1	131.4	52.4	19.7	4.1										
-90	4.1	19.7	52.4	131.4	195.1	131.4	52.4	19.7	4.1										

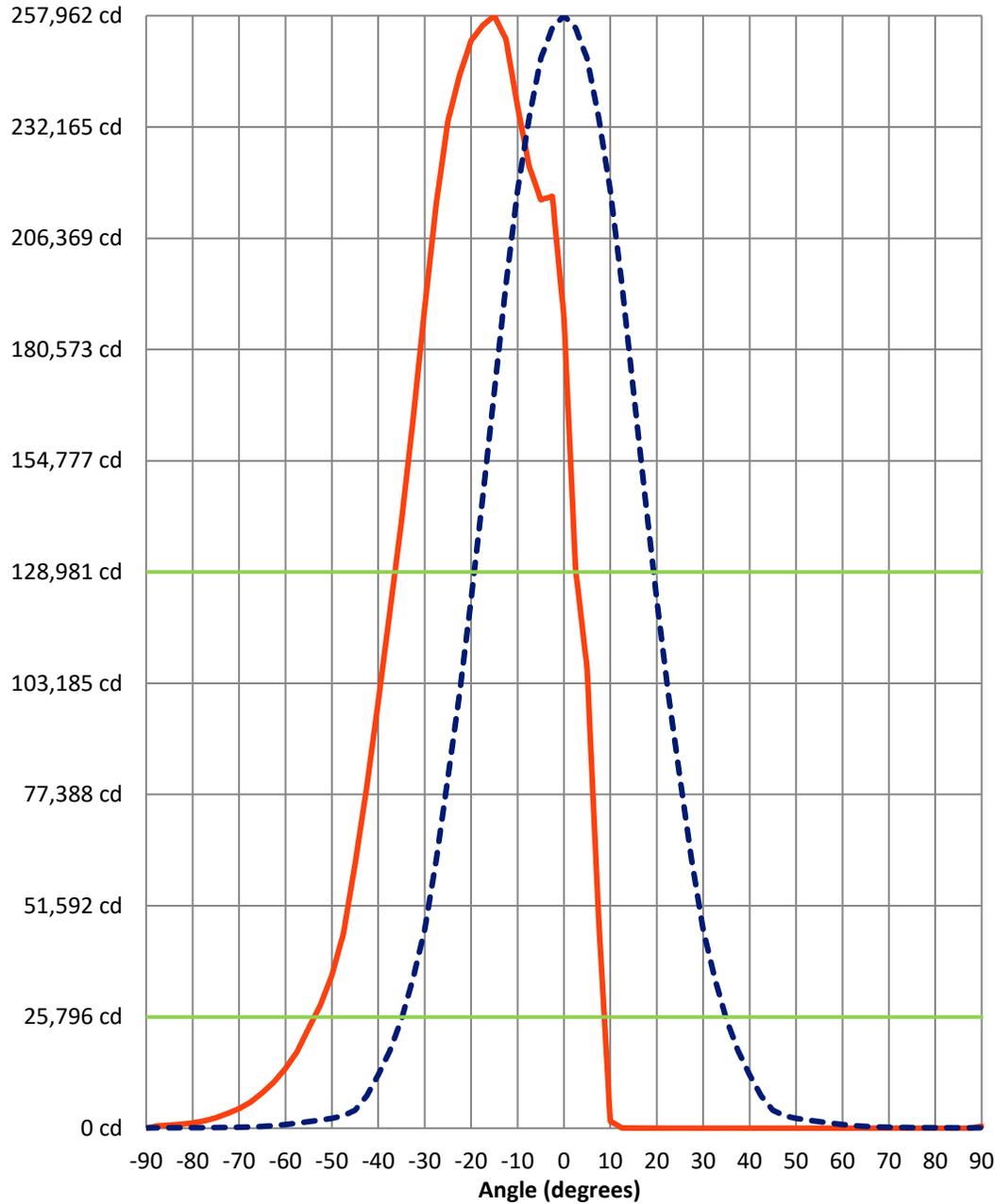
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 38.6°
 V Angle: 39°
 Lumens: 72083.1
 Efficiency: 57.1%

Field:
 H Angle: 69.7°
 V Angle: 62.5°
 Lumens: 114985
 Efficiency: 91.1%

Spill:
 Lumens: 11190
 Efficiency: 8.9%

- Vertical Distribution through 0-Deg
- - Horizontal Distribution through -15-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°	118.5	125.5	132.6	148.8	165.0	181.3	197.5	212.8	228.1	243.4	258.7
87.5°	118.5	117.5	116.5	114.4	112.3	110.3	108.2	105.4	102.6	99.7	96.9
85°	118.5	117.5	116.5	114.3	112.3	110.2	108.2	105.4	102.6	99.8	97.0
82.5°	118.5	117.5	116.4	114.3	112.2	110.2	108.3	105.5	102.7	99.9	97.1
80°	118.5	117.5	116.3	114.2	112.2	110.2	108.4	105.7	102.9	100.1	97.3
77.5°	118.5	117.5	116.3	114.2	112.2	110.3	108.5	105.8	103.0	100.3	97.5
75°	118.5	117.5	116.2	114.2	112.2	110.5	108.6	106.0	103.3	100.5	97.8
72.5°	118.5	117.5	116.2	114.2	112.4	110.6	108.7	106.2	103.5	100.8	98.1
70°	118.5	117.5	116.1	114.2	112.6	110.8	108.9	106.5	103.8	101.1	98.4
67.5°	118.5	117.5	116.1	114.4	112.8	111.0	109.1	106.8	104.1	101.5	98.8
65°	118.5	117.5	116.1	114.5	113.0	111.3	109.3	107.1	104.5	101.9	99.3
62.5°	118.5	117.5	116.1	114.7	113.2	111.5	109.6	107.5	104.9	102.4	99.8
60°	118.5	117.5	116.1	115.0	113.5	111.7	109.8	107.9	105.4	102.9	100.3
57.5°	118.5	117.5	116.2	115.2	113.7	111.9	110.1	108.3	105.9	103.4	101.0
55°	118.5	117.5	116.3	115.4	113.9	112.2	110.4	108.6	106.4	104.0	101.8
52.5°	118.5	117.5	116.5	115.6	114.1	112.4	110.7	109.0	106.9	104.8	102.6
50°	118.5	117.6	116.6	115.9	114.3	112.7	111.1	109.5	107.6	105.7	103.6
47.5°	118.5	117.6	116.8	116.1	114.6	113.0	111.4	109.9	108.5	106.7	104.6
45°	118.5	117.6	116.9	116.3	114.8	113.3	111.9	110.5	109.3	107.7	105.8
42.5°	118.5	117.6	117.0	116.5	115.1	113.6	112.4	111.1	110.1	108.8	106.6
40°	118.5	117.7	117.2	116.7	115.4	114.0	112.9	111.8	110.9	110.0	107.4
37.5°	118.5	117.7	117.3	116.9	115.7	114.3	113.4	112.6	111.8	110.9	108.2
35°	118.5	117.7	117.5	117.2	115.9	114.8	114.0	113.3	112.8	111.6	109.1
32.5°	118.5	117.8	117.6	117.4	116.3	115.3	114.6	114.1	113.8	112.5	110.4
30°	118.5	117.8	117.8	117.7	116.6	115.8	115.3	114.8	114.8	113.5	111.9
27.5°	118.5	117.9	117.9	118.0	117.1	116.3	115.9	115.7	115.8	114.6	113.5
25°	118.5	117.9	118.1	118.4	117.8	116.8	116.6	116.6	116.7	116.0	115.3
22.5°	118.5	118.0	118.2	118.7	118.5	117.6	117.3	117.5	117.8	117.5	117.4
20°	118.5	118.0	118.4	119.1	119.2	118.9	117.9	118.4	118.9	119.1	119.6
17.5°	118.5	118.1	118.5	119.5	120.0	120.3	119.5	119.3	120.1	120.8	121.8
15°	118.5	118.1	118.7	119.9	120.8	121.7	121.7	121.3	121.3	122.5	124.2
12.5°	118.5	118.2	118.8	120.3	121.7	123.2	123.9	124.5	124.4	124.3	126.6
10°	118.5	118.3	119.0	120.7	122.6	124.7	126.2	127.8	128.9	129.9	131.6
7.5°	118.5	118.3	119.1	121.1	123.4	126.2	128.5	131.1	133.6	136.2	142.6
5°	118.5	118.4	119.2	121.5	124.3	127.7	130.9	134.5	138.3	142.6	154.0
2.5°	118.5	118.4	119.4	121.9	125.2	129.2	133.2	137.8	143.0	148.9	165.5
0°	118.5	118.5	119.5	122.3	126.0	130.7	135.5	141.1	147.7	155.2	176.8
-2.5°	118.5	118.9	120.5	124.0	128.6	134.9	142.6	151.4	162.8	180.0	219.4
-5°	118.5	119.3	121.5	125.7	131.2	138.9	149.6	161.6	177.7	204.2	260.5
-7.5°	118.5	119.7	122.4	127.4	133.8	142.9	156.4	171.4	192.1	227.3	299.2
-10°	118.5	120.1	123.4	129.0	136.2	146.7	162.8	180.9	205.8	248.8	334.4
-12.5°	118.5	120.5	124.3	130.6	138.6	150.3	168.8	189.9	218.6	270.7	380.9
-15°	118.5	120.9	125.2	132.1	140.9	153.8	174.4	198.3	235.2	305.4	429.2
-17.5°	118.5	121.3	126.1	133.6	143.1	157.0	179.4	209.7	256.2	335.8	470.6
-20°	118.5	121.7	126.9	135.0	145.2	159.9	185.4	222.7	274.7	361.2	504.3



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 CATALOG NUMBER: EPH-LS12-1000R-40-80-5S-ECV

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	118.5	122.0	127.8	136.3	147.2	162.6	193.5	234.5	290.6	380.9	529.4
-25°	118.5	122.4	128.5	137.6	149.0	167.5	200.9	244.7	303.5	394.5	545.4
-27.5°	118.5	122.7	129.3	138.7	150.7	173.0	207.4	253.3	313.3	404.6	561.0
-30°	118.5	123.0	130.0	139.8	152.5	178.0	213.1	260.2	322.1	415.7	567.9
-32.5°	118.5	123.4	130.7	140.8	156.1	182.5	218.0	266.3	329.7	422.0	565.4
-35°	118.5	123.6	131.3	141.7	159.3	186.4	222.8	271.5	334.8	423.6	553.3
-37.5°	118.5	123.9	131.9	142.5	162.2	189.9	227.2	275.5	337.3	420.3	551.9
-40°	118.5	124.2	132.4	143.2	164.7	193.3	230.7	278.1	337.2	418.5	549.1
-42.5°	118.5	124.4	132.9	144.1	166.9	196.1	233.3	279.4	337.5	417.8	537.4
-45°	118.5	124.7	133.3	145.6	169.0	198.3	235.0	280.3	337.4	412.7	518.9
-47.5°	118.5	124.9	133.7	146.9	170.6	200.0	235.9	281.1	335.7	402.8	506.3
-50°	118.5	125.1	134.0	148.2	172.0	201.1	236.8	280.7	331.6	397.1	487.6
-52.5°	118.5	125.2	134.3	149.4	173.0	201.6	237.0	279.2	327.2	388.1	464.5
-55°	118.5	125.4	134.5	150.4	173.7	202.0	236.4	276.7	321.8	375.9	448.6
-57.5°	118.5	125.5	134.7	151.2	174.1	202.1	235.1	274.3	314.5	364.8	428.9
-60°	118.5	125.6	134.8	151.9	174.1	201.6	233.1	270.2	306.2	352.6	408.1
-62.5°	118.5	125.7	134.9	152.4	174.5	200.8	231.3	265.1	299.5	338.3	389.5
-65°	118.5	125.8	134.9	152.7	174.6	199.4	229.0	259.7	292.0	327.5	368.6
-67.5°	118.5	125.8	134.9	152.9	174.5	198.3	226.1	255.1	283.6	317.0	352.8
-70°	118.5	125.9	134.8	152.9	174.1	197.3	222.6	249.9	277.2	305.6	338.9
-72.5°	118.5	125.9	134.6	152.8	173.6	196.0	220.2	244.3	270.3	297.1	324.9
-75°	118.5	125.9	134.5	152.6	172.7	194.5	217.7	239.9	262.8	288.2	314.3
-77.5°	118.5	125.9	134.3	152.3	171.9	192.6	214.7	235.7	257.1	279.4	303.1
-80°	118.5	125.8	134.0	151.8	170.8	190.7	211.5	231.1	251.2	272.0	293.4
-82.5°	118.5	125.8	133.7	151.2	169.6	188.6	208.3	226.5	245.0	264.2	283.8
-85°	118.5	125.7	133.4	150.5	168.2	186.4	204.9	222.2	239.5	257.1	274.8
-87.5°	118.5	125.6	133.0	149.7	166.7	183.9	201.3	217.6	233.9	250.4	266.9
-90°	118.5	117.5	116.6	114.5	112.4	110.3	108.2	105.4	102.6	99.7	96.9



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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°	268.6	278.5	288.3	298.2	302.2	306.2	310.2	314.2	319.1	324.1	329.0
87.5°	93.6	90.3	87.0	83.7	80.0	76.2	72.5	68.7	64.5	60.2	56.0
85°	93.7	90.4	87.1	83.8	80.1	76.4	72.6	68.9	64.6	60.4	56.1
82.5°	93.9	90.6	87.3	84.0	80.3	76.6	72.8	69.1	64.9	60.6	56.4
80°	94.1	90.8	87.5	84.2	80.6	76.8	73.1	69.4	65.2	60.9	56.7
77.5°	94.3	91.1	87.8	84.5	80.9	77.2	73.5	69.7	65.6	61.4	57.1
75°	94.7	91.4	88.2	84.9	81.4	77.7	73.9	70.0	65.8	61.5	57.3
72.5°	95.0	91.8	88.6	85.4	81.9	78.0	74.1	69.9	65.9	61.8	57.8
70°	95.5	92.3	89.1	85.9	82.4	78.5	74.5	70.5	66.5	62.5	58.5
67.5°	96.0	92.8	89.7	86.5	83.2	79.2	75.3	71.3	67.3	63.3	59.2
65°	96.6	93.4	90.3	87.1	83.9	80.1	76.2	72.2	68.2	64.2	60.1
62.5°	97.1	94.1	91.0	87.9	84.7	81.0	77.1	73.2	69.2	65.4	61.4
60°	97.8	94.8	91.8	88.7	85.5	82.1	78.2	74.4	70.8	67.2	62.5
57.5°	98.5	95.6	92.6	89.6	86.5	83.2	79.5	75.9	72.0	67.7	63.1
55°	99.3	96.5	93.5	90.5	87.5	84.4	80.8	77.0	72.8	68.8	64.5
52.5°	100.2	97.4	94.5	91.6	88.8	85.6	82.1	78.2	74.3	70.3	66.1
50°	101.2	98.3	95.6	93.1	90.1	86.9	83.6	79.8	75.9	71.9	67.8
47.5°	102.1	99.3	97.1	94.6	91.5	88.3	85.0	81.5	77.6	73.6	69.5
45°	102.9	100.5	98.6	95.9	92.9	89.8	86.6	83.3	79.4	75.6	71.9
42.5°	103.8	101.8	99.8	97.4	94.4	91.4	88.3	85.0	81.5	77.8	74.2
40°	104.9	103.0	101.1	98.8	96.0	93.1	90.0	86.9	83.6	80.0	76.3
37.5°	106.1	104.4	102.5	100.3	97.7	94.9	91.9	89.1	85.9	82.3	78.7
35°	107.2	105.8	104.1	101.9	99.4	96.8	94.3	91.6	88.4	85.3	81.9
32.5°	108.5	107.3	105.7	103.6	101.3	99.0	96.9	94.3	91.6	88.8	85.4
30°	110.2	109.0	107.5	105.3	103.4	101.6	99.7	97.4	95.3	92.6	90.0
27.5°	112.4	110.7	109.2	107.3	105.6	104.4	102.8	101.1	99.2	97.0	95.2
25°	114.8	113.7	110.9	109.4	108.4	107.5	106.4	105.2	103.5	102.0	101.0
22.5°	117.4	117.0	114.9	111.7	111.2	110.9	110.4	109.8	109.0	107.6	105.9
20°	120.2	120.6	119.8	118.1	115.5	114.5	114.6	114.9	115.5	116.7	114.4
17.5°	123.3	124.6	125.2	126.3	128.2	125.6	119.0	120.4	122.9	129.7	134.6
15°	126.5	129.0	131.1	136.1	143.5	149.1	149.6	138.7	133.2	147.0	161.5
12.5°	129.8	133.6	137.3	147.0	161.1	176.9	194.3	208.1	211.7	201.0	195.2
10°	133.1	138.4	143.8	158.8	180.3	208.1	245.7	289.4	334.9	410.4	532.5
7.5°	150.6	156.8	158.6	171.1	200.6	241.5	301.7	379.4	471.2	658.9	1088.8
5°	171.1	190.6	219.4	261.3	307.9	357.0	418.1	479.4	615.0	931.3	1733.4
2.5°	192.0	225.2	282.4	365.9	472.8	602.5	786.3	1303.6	2118.8	3024.7	4187.8
0°	212.6	259.6	345.2	470.3	637.7	848.4	1156.0	2145.6	3923.4	5998.4	8164.7
-2.5°	282.4	375.2	509.4	677.3	864.6	1117.4	1488.8	2710.3	4789.8	7384.9	11022.4
-5°	349.7	486.4	667.5	877.3	1085.0	1375.1	1802.7	3200.0	5603.3	8731.1	13270.2
-7.5°	412.7	589.9	816.1	1066.5	1303.4	1634.4	2137.0	3752.3	6598.3	10142.0	14862.6
-10°	473.2	690.0	954.8	1240.3	1518.7	1884.2	2442.6	4131.7	7284.3	11241.1	16081.6
-12.5°	548.8	786.2	1080.0	1399.6	1717.9	2109.2	2699.2	4296.4	7592.4	11976.8	17089.4
-15°	615.2	870.8	1189.1	1542.3	1898.3	2306.0	2898.9	4211.6	7508.5	12407.3	17995.1
-17.5°	671.0	942.3	1280.0	1666.6	2057.6	2471.4	3058.3	4109.8	7283.1	12243.8	18286.1
-20°	715.1	999.5	1351.0	1770.7	2192.4	2623.3	3286.5	4388.2	7007.9	11517.4	17657.7



REPORT NUMBER: P1212099 (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°	746.1	1041.3	1404.8	1844.0	2293.2	2758.5	3419.6	4501.5	6418.0	10208.6	16910.8
-25°	769.2	1073.8	1444.6	1889.2	2368.0	2856.1	3436.4	4465.1	6036.6	9824.5	15839.8
-27.5°	785.4	1088.3	1466.6	1908.3	2416.7	2916.0	3469.7	4403.7	6185.6	9137.0	14070.1
-30°	788.8	1090.3	1467.1	1905.0	2420.6	2944.9	3499.0	4364.6	6028.2	8689.2	12822.4
-32.5°	784.6	1077.7	1453.8	1887.8	2388.5	2942.8	3559.6	4397.3	5785.6	7951.1	11364.5
-35°	776.8	1066.8	1423.8	1844.6	2326.6	2906.0	3577.4	4376.2	5406.6	7267.1	10124.8
-37.5°	765.2	1040.7	1374.1	1783.2	2253.4	2827.3	3512.5	4282.5	5237.2	6548.3	9074.6
-40°	741.3	999.4	1323.3	1707.8	2164.8	2709.6	3361.0	4116.2	4985.3	6309.2	8011.7
-42.5°	707.9	958.8	1260.7	1611.2	2056.4	2570.3	3152.8	3871.3	4776.0	5916.0	7393.5
-45°	683.6	904.1	1183.7	1519.2	1919.9	2400.3	2950.8	3570.4	4461.0	5494.7	6715.9
-47.5°	648.4	842.3	1103.6	1400.0	1769.2	2207.9	2712.9	3325.1	4058.2	4992.4	6054.4
-50°	608.6	787.5	1002.2	1276.4	1600.5	1995.0	2455.6	3023.3	3681.4	4441.0	5355.1
-52.5°	578.1	720.2	912.6	1140.8	1428.1	1767.2	2194.8	2701.2	3275.2	3916.0	4736.3
-55°	540.7	666.5	817.3	1015.7	1252.2	1545.2	1920.4	2374.4	2858.5	3423.2	4116.0
-57.5°	509.1	611.1	736.6	893.1	1094.4	1328.6	1667.6	2039.9	2475.2	2944.9	3520.3
-60°	479.8	560.0	664.2	791.6	940.7	1155.7	1413.7	1733.1	2094.2	2493.6	2980.2
-62.5°	448.5	515.2	597.1	699.7	825.7	985.4	1205.9	1455.3	1722.4	2070.2	2459.6
-65°	421.0	469.4	535.1	618.2	713.7	852.8	1017.6	1204.2	1434.0	1695.3	1977.3
-67.5°	390.4	433.3	480.5	536.5	618.7	724.4	841.3	994.7	1168.0	1367.4	1585.1
-70°	370.0	397.3	435.9	480.5	532.5	605.1	702.4	809.0	929.5	1080.5	1257.3
-72.5°	351.1	375.7	401.4	428.0	471.5	525.9	585.6	650.2	740.6	856.7	980.2
-75°	335.2	353.7	375.9	399.4	427.0	459.4	496.8	548.1	610.9	683.5	761.0
-77.5°	321.6	338.6	355.7	373.0	391.9	416.7	444.2	474.1	514.1	559.0	605.8
-80°	308.8	323.2	338.7	354.4	369.2	384.8	401.5	419.2	446.3	479.2	515.8
-82.5°	297.7	311.1	324.4	337.8	348.2	358.7	369.8	382.7	402.8	424.9	448.2
-85°	286.8	298.7	311.0	323.2	331.5	339.9	348.4	357.0	369.9	383.5	397.7
-87.5°	277.8	288.7	299.6	310.5	316.4	322.4	328.5	334.7	342.9	351.4	359.9
-90°	93.6	90.3	87.0	83.7	80.0	76.2	72.5	68.7	64.5	60.2	56.0



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	333.9	342.4	350.9	359.3	367.8	379.3	390.9	402.4	413.9	428.7	443.5
87.5°	51.7	47.7	43.7	39.7	35.7	32.0	28.2	24.5	20.7	17.4	14.1
85°	51.9	47.9	43.9	39.8	35.8	32.1	28.3	24.5	20.8	17.3	13.7
82.5°	52.1	48.1	44.0	40.0	36.0	32.2	28.4	24.7	20.9	17.3	13.8
80°	52.4	48.3	44.3	40.3	36.2	32.4	28.6	24.8	21.0	17.4	13.9
77.5°	52.8	48.7	44.7	40.6	36.5	32.7	28.9	25.0	21.2	17.6	14.0
75°	53.2	49.2	45.1	41.0	36.9	33.0	29.2	25.3	21.5	17.8	14.1
72.5°	53.8	49.7	45.6	41.5	37.4	33.4	29.5	25.6	21.7	18.0	14.3
70°	54.4	50.3	46.2	42.1	37.9	33.9	30.0	26.0	22.1	18.3	14.5
67.5°	55.2	51.0	46.9	42.7	38.6	34.4	30.5	26.5	22.5	18.6	14.8
65°	56.0	51.9	47.7	43.5	39.3	35.0	30.9	26.7	22.4	18.3	14.6
62.5°	57.3	52.7	48.3	44.0	39.8	35.7	31.4	27.1	22.7	18.5	14.8
60°	57.8	53.1	48.8	44.8	40.7	36.5	32.2	27.8	23.3	19.0	15.2
57.5°	58.7	54.3	49.9	45.8	41.6	37.4	33.1	28.7	24.3	20.0	16.1
55°	60.1	55.7	51.1	47.1	42.9	38.6	34.1	29.7	25.1	20.4	16.2
52.5°	61.7	57.4	53.2	48.9	44.4	39.8	35.1	30.5	25.9	21.3	17.0
50°	63.5	59.4	55.0	50.4	45.8	41.1	36.4	31.7	26.9	22.0	17.3
47.5°	65.7	61.5	56.9	52.1	47.4	42.6	37.7	32.8	27.8	22.9	18.3
45°	68.2	63.6	58.8	53.9	49.1	44.3	39.3	34.2	29.3	24.3	19.3
42.5°	70.2	65.5	60.6	56.0	51.1	46.1	41.0	35.7	30.6	25.2	19.6
40°	72.1	67.4	63.2	58.5	53.4	48.2	42.8	37.4	31.9	26.4	20.9
37.5°	74.7	70.7	66.4	61.6	55.9	49.8	44.9	39.6	33.8	28.2	22.4
35°	78.2	74.5	70.0	64.9	59.3	53.8	48.4	42.3	35.8	30.3	24.1
32.5°	82.5	79.3	75.2	69.8	64.9	58.5	52.0	47.2	41.1	35.0	28.8
30°	87.9	86.7	80.8	75.5	69.4	64.0	60.0	54.8	49.2	43.1	34.4
27.5°	95.5	92.0	84.7	79.5	75.4	71.6	67.3	61.8	54.3	46.4	35.7
25°	100.4	94.3	89.1	85.5	82.5	78.9	73.1	65.9	55.1	43.9	34.5
22.5°	103.7	99.0	95.2	92.7	90.0	85.0	76.8	65.3	54.5	45.0	35.8
20°	108.8	104.0	105.0	105.3	97.7	92.1	79.5	66.7	57.1	47.4	37.7
17.5°	128.3	114.2	123.3	132.4	122.4	102.2	96.0	79.7	69.0	58.2	45.4
15°	164.9	168.8	171.6	170.9	166.8	149.6	130.0	125.5	110.2	99.7	87.0
12.5°	218.2	252.5	318.1	434.0	264.8	223.3	317.9	324.8	223.3	186.7	171.4
10°	589.8	362.7	644.5	1704.3	3585.4	4019.8	1075.7	3221.0	3878.1	5344.4	1520.3
7.5°	1825.9	2757.0	3572.9	5049.6	9812.8	15643.0	17907.1	19469.0	26246.3	32845.8	35606.9
5°	3307.6	5879.4	9205.5	13725.2	20635.7	29470.3	37844.4	48686.0	57338.9	70493.1	82322.8
2.5°	6334.9	10695.6	16268.0	23206.9	31553.4	42323.3	54459.1	72235.5	87260.0	100157.2	109355.5
0°	11447.5	19203.9	28223.6	41174.3	53297.1	70181.5	86093.2	108609.1	128355.7	147834.8	162452.7
-2.5°	15618.1	23133.5	33349.1	47259.3	62087.1	77145.9	96406.8	120129.6	144762.0	166624.8	183845.3
-5°	19008.2	26975.0	38479.8	52587.4	67199.9	81990.4	99155.2	122812.5	149346.1	170723.1	186678.9
-7.5°	21480.9	30191.0	42438.3	56778.3	71510.8	87751.8	106869.4	129801.4	153426.8	177624.6	195750.7
-10°	23050.7	32466.1	44826.1	60143.0	76290.2	93856.2	113619.6	136533.0	160208.6	185478.3	208663.8
-12.5°	24275.1	34003.0	45615.2	61742.5	78648.9	98297.8	119284.6	141514.9	166315.7	192478.9	213780.5
-15°	25259.1	34742.1	46038.3	62254.4	81191.8	100679.3	122593.6	146237.0	170802.1	195586.9	217328.4
-17.5°	25809.0	35056.1	47117.1	62228.2	82058.5	100914.8	122655.4	146930.9	173174.6	198166.5	217751.4
-20°	25580.1	35267.6	47267.6	61760.2	79269.3	98584.1	119060.9	144453.6	171163.2	195132.8	214514.8



REPORT NUMBER: P1212099 (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°	25181.2	34679.5	45878.3	59534.2	75031.9	92890.9	113846.3	140375.5	167120.1	187845.0	207784.1
-25°	23984.7	33031.3	43604.7	56210.2	70223.0	86718.8	108270.4	132490.8	155781.5	177186.5	195730.7
-27.5°	21823.3	30871.9	40862.1	52223.5	65048.6	80686.6	100060.7	121199.1	141418.9	161165.1	178932.6
-30°	18546.1	27600.7	37299.4	47789.3	59937.1	74095.8	90081.5	107686.9	125971.7	143395.2	158762.0
-32.5°	16325.8	23020.9	32460.1	42623.5	53722.0	66269.2	80043.9	95210.5	110381.2	124700.8	138038.3
-35°	13887.9	19346.7	26241.9	36343.1	46919.8	57742.0	69896.8	83253.5	96746.2	108563.2	119789.7
-37.5°	12198.1	15981.8	21814.0	29217.0	38640.8	49042.3	60093.5	71367.1	82412.1	92965.6	103029.3
-40°	10692.5	13853.3	18397.9	23829.7	31001.7	39039.9	49220.2	59490.0	69058.5	78017.9	86616.6
-42.5°	9264.1	12193.7	15889.1	20303.3	25193.1	31362.4	38944.4	46939.5	54532.5	62415.0	69717.3
-45°	8246.6	10629.1	13462.2	17129.9	21134.1	25791.9	30845.8	35994.2	41969.9	47933.7	52959.6
-47.5°	7490.2	9302.7	11611.6	14242.6	17291.4	21028.2	24956.7	28862.3	32987.0	37078.1	40329.9
-50°	6667.9	8195.4	9994.1	12007.0	14447.4	17103.1	19863.0	22894.1	26134.7	29255.4	31534.6
-52.5°	5765.0	7054.4	8499.3	10206.3	12165.5	14188.2	16265.3	18679.0	21102.8	23464.0	25056.9
-55°	4975.1	5970.7	7057.8	8468.7	10064.6	11776.1	13516.0	15252.3	17084.7	18973.2	20143.2
-57.5°	4214.4	4983.1	5864.9	6948.3	8107.3	9328.9	10710.9	12156.3	13563.9	14881.5	15736.8
-60°	3506.8	4069.6	4810.5	5648.0	6512.9	7401.4	8493.0	9602.7	10704.3	11693.6	12322.1
-62.5°	2874.7	3338.8	3903.2	4533.7	5205.8	5934.7	6720.6	7534.6	8364.5	9088.2	9576.1
-65°	2297.6	2668.8	3100.2	3559.0	4041.4	4605.1	5211.4	5817.2	6416.9	6915.8	7283.9
-67.5°	1836.1	2104.4	2407.8	2721.4	3083.1	3494.4	3948.8	4404.6	4857.4	5228.0	5521.5
-70°	1441.7	1640.8	1862.6	2101.8	2364.5	2656.4	2979.8	3303.9	3626.1	3885.6	4105.5
-72.5°	1110.2	1254.9	1419.8	1604.7	1793.3	2003.5	2234.1	2470.9	2711.0	2897.7	3058.0
-75°	842.6	942.9	1067.3	1196.0	1328.0	1475.1	1628.3	1780.8	1931.6	2048.4	2153.0
-77.5°	662.9	738.4	819.9	903.1	987.5	1085.4	1188.6	1292.9	1397.6	1476.7	1549.3
-80°	553.7	600.4	651.2	704.3	759.2	824.3	891.6	959.4	1027.1	1079.6	1129.3
-82.5°	472.6	503.0	534.7	567.2	600.1	643.2	687.6	732.3	777.0	814.2	850.4
-85°	412.3	432.3	452.9	473.9	495.2	524.5	554.3	584.4	614.6	640.3	665.7
-87.5°	368.5	381.6	394.7	408.0	421.3	440.2	459.2	478.2	497.4	515.4	533.3
-90°	51.7	47.7	43.7	39.7	35.7	32.0	28.2	24.5	20.7	17.4	14.1



REPORT NUMBER: P1212099 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-40-80-5S-ECV

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	458.3	473.1	476.0	478.8	476.0	473.1	458.3	443.5	428.7	413.9	402.4
87.5°	10.8	7.5	4.7	1.9	4.7	7.5	10.8	14.1	17.4	20.7	24.5
85°	10.2	6.6	4.3	1.9	4.3	6.6	10.2	13.7	17.3	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	24.7
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	21.5	25.3
72.5°	10.6	6.9	4.4	1.9	4.4	6.9	10.6	14.3	18.0	21.7	25.6
70°	10.8	7.0	3.9	0.9	3.9	7.0	10.8	14.5	18.3	22.1	26.0
67.5°	11.0	7.2	4.0	0.9	4.0	7.2	11.0	14.8	18.6	22.5	26.5
65°	10.9	7.3	4.0	0.9	4.0	7.3	10.9	14.6	18.3	22.4	26.7
62.5°	11.1	7.4	4.1	0.9	4.1	7.4	11.1	14.8	18.5	22.7	27.1
60°	11.4	7.6	4.2	0.9	4.2	7.6	11.4	15.2	19.0	23.3	27.8
57.5°	12.0	7.9	3.9	0.0	3.9	7.9	12.0	16.1	20.0	24.3	28.7
55°	12.1	8.1	4.4	0.9	4.4	8.1	12.1	16.2	20.4	25.1	29.7
52.5°	12.8	8.4	4.5	0.9	4.5	8.4	12.8	17.0	21.3	25.9	30.5
50°	12.9	8.6	4.3	0.0	4.3	8.6	12.9	17.3	22.0	26.9	31.7
47.5°	13.7	9.1	4.5	0.0	4.5	9.1	13.7	18.3	22.9	27.8	32.8
45°	14.4	9.5	4.9	0.9	4.9	9.5	14.4	19.3	24.3	29.3	34.2
42.5°	14.7	9.8	4.9	0.0	4.9	9.8	14.7	19.6	25.2	30.6	35.7
40°	15.7	10.5	5.1	0.0	5.1	10.5	15.7	20.9	26.4	31.9	37.4
37.5°	16.8	11.1	5.6	0.9	5.6	11.1	16.8	22.4	28.2	33.8	39.6
35°	17.8	11.8	5.9	0.9	5.9	11.8	17.8	24.1	30.3	35.8	42.3
32.5°	21.9	14.8	7.0	0.9	7.0	14.8	21.9	28.8	35.0	41.1	47.2
30°	25.6	17.1	8.4	0.0	8.4	17.1	25.6	34.4	43.1	49.2	54.8
27.5°	26.0	17.0	8.2	0.9	8.2	17.0	26.0	35.7	46.4	54.3	61.8
25°	25.9	17.4	9.6	2.8	9.6	17.4	25.9	34.5	43.9	55.1	65.9
22.5°	26.4	17.5	9.4	5.6	9.4	17.5	26.4	35.8	45.0	54.5	65.3
20°	28.8	19.8	13.3	7.5	13.3	19.8	28.8	37.7	47.4	57.1	66.7
17.5°	41.0	30.9	24.0	19.8	24.0	30.9	41.0	45.4	58.2	69.0	79.7
15°	76.0	64.8	55.5	50.8	55.5	64.8	76.0	87.0	99.7	110.2	125.5
12.5°	137.4	118.7	102.5	84.2	102.5	118.7	137.4	171.4	186.7	223.3	324.8
10°	3798.1	3156.0	2673.0	1659.3	2673.0	3156.0	3798.1	1520.3	5344.4	3878.1	3221.0
7.5°	38274.9	42840.0	45436.3	48309.4	45436.3	42840.0	38274.9	35606.9	32845.8	26246.3	19469.0
5°	89136.0	101709.4	101509.3	106291.4	101509.3	101709.4	89136.0	82322.8	70493.1	57338.9	48686.0
2.5°	118724.5	128551.6	128940.5	129992.0	128940.5	128551.6	118724.5	109355.5	100157.2	87260.0	72235.5
0°	175140.4	185762.5	187449.9	187875.1	187449.9	185762.5	175140.4	162452.7	147834.8	128355.7	108609.1
-2.5°	199477.4	211670.0	215030.1	215990.1	215030.1	211670.0	199477.4	183845.3	166624.8	144762.0	120129.6
-5°	200875.6	210717.4	213871.4	215344.4	213871.4	210717.4	200875.6	186678.9	170723.1	149346.1	122812.5
-7.5°	210886.2	219136.5	222167.7	223092.8	222167.7	219136.5	210886.2	195750.7	177624.6	153426.8	129801.4
-10°	223744.1	232633.9	236990.1	236976.1	236990.1	232633.9	223744.1	208663.8	185478.3	160208.6	136533.0
-12.5°	231840.5	244648.8	250247.8	252472.5	250247.8	244648.8	231840.5	213780.5	192478.9	166315.7	141514.9
-15°	234282.0	247981.8	255127.5	257961.6	255127.5	247981.8	234282.0	217328.4	195586.9	170802.1	146237.0
-17.5°	233762.9	247642.0	253845.6	255701.3	253845.6	247642.0	233762.9	217751.4	198166.5	173174.6	146930.9
-20°	229920.8	243367.0	250358.5	252150.4	250358.5	243367.0	229920.8	214514.8	195132.8	171163.2	144453.6



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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°	222862.5	234862.0	241655.4	244078.8	241655.4	234862.0	222862.5	207784.1	187845.0	167120.1	140375.5
-25°	211593.6	222754.6	229960.6	233424.3	229960.6	222754.6	211593.6	195730.7	177186.5	155781.5	132490.8
-27.5°	195257.3	205480.3	213271.5	214375.5	213271.5	205480.3	195257.3	178932.6	161165.1	141418.9	121199.1
-30°	173591.2	181904.9	188210.9	190142.1	188210.9	181904.9	173591.2	158762.0	143395.2	125971.7	107686.9
-32.5°	149273.3	156558.4	162168.8	164358.4	162168.8	156558.4	149273.3	138038.3	124700.8	110381.2	95210.5
-35°	128623.7	135010.9	139932.5	140715.6	139932.5	135010.9	128623.7	119789.7	108563.2	96746.2	83253.5
-37.5°	109970.3	115012.3	118665.9	119794.1	118665.9	115012.3	109970.3	103029.3	92965.6	82412.1	71367.1
-40°	91649.1	95835.1	98667.5	98965.7	98667.5	95835.1	91649.1	86616.6	78017.9	69058.5	59490.0
-42.5°	73510.7	76446.5	78341.6	79017.7	78341.6	76446.5	73510.7	69717.3	62415.0	54532.5	46939.5
-45°	55859.4	58120.0	59887.9	61269.9	59887.9	58120.0	55859.4	52959.6	47933.7	41969.9	35994.2
-47.5°	42453.7	44209.0	45158.0	45238.7	45158.0	44209.0	42453.7	40329.9	37078.1	32987.0	28862.3
-50°	33171.4	34537.0	35286.3	35466.5	35286.3	34537.0	33171.4	31534.6	29255.4	26134.7	22894.1
-52.5°	26378.1	27572.7	28263.2	28514.3	28263.2	27572.7	26378.1	25056.9	23464.0	21102.8	18679.0
-55°	21154.2	22032.5	22702.9	23194.1	22702.9	22032.5	21154.2	20143.2	18973.2	17084.7	15252.3
-57.5°	16519.5	17218.9	17591.1	17749.7	17591.1	17218.9	16519.5	15736.8	14881.5	13563.9	12156.3
-60°	12894.1	13403.6	13695.9	13859.3	13695.9	13403.6	12894.1	12322.1	11693.6	10704.3	9602.7
-62.5°	10018.5	10411.7	10605.1	10697.8	10605.1	10411.7	10018.5	9576.1	9088.2	8364.5	7534.6
-65°	7619.7	7921.3	8096.9	8215.5	8096.9	7921.3	7619.7	7283.9	6915.8	6416.9	5817.2
-67.5°	5792.1	6038.5	6086.5	6075.5	6086.5	6038.5	5792.1	5521.5	5228.0	4857.4	4404.6
-70°	4314.2	4509.4	4545.6	4543.2	4545.6	4509.4	4314.2	4105.5	3885.6	3626.1	3303.9
-72.5°	3209.0	3349.3	3396.4	3421.1	3396.4	3349.3	3209.0	3058.0	2897.7	2711.0	2470.9
-75°	2252.1	2345.1	2393.9	2432.5	2393.9	2345.1	2252.1	2153.0	2048.4	1931.6	1780.8
-77.5°	1619.0	1685.3	1704.7	1717.6	1704.7	1685.3	1619.0	1549.3	1476.7	1397.6	1292.9
-80°	1177.3	1223.5	1230.1	1233.2	1230.1	1223.5	1177.3	1129.3	1079.6	1027.1	959.4
-82.5°	886.0	920.8	925.4	928.4	925.4	920.8	886.0	850.4	814.2	777.0	732.3
-85°	690.8	715.5	721.2	726.2	721.2	715.5	690.8	665.7	640.3	614.6	584.4
-87.5°	551.1	568.7	571.4	573.8	571.4	568.7	551.1	533.3	515.4	497.4	478.2
-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°	390.9	379.3	367.8	359.3	350.9	342.4	333.9	329.0	324.1	319.1	314.2
87.5°	28.2	32.0	35.7	39.7	43.7	47.7	51.7	56.0	60.2	64.5	68.7
85°	28.3	32.1	35.8	39.8	43.9	47.9	51.9	56.1	60.4	64.6	68.9
82.5°	28.4	32.2	36.0	40.0	44.0	48.1	52.1	56.4	60.6	64.9	69.1
80°	28.6	32.4	36.2	40.3	44.3	48.3	52.4	56.7	60.9	65.2	69.4
77.5°	28.9	32.7	36.5	40.6	44.7	48.7	52.8	57.1	61.4	65.6	69.7
75°	29.2	33.0	36.9	41.0	45.1	49.2	53.2	57.3	61.5	65.8	70.0
72.5°	29.5	33.4	37.4	41.5	45.6	49.7	53.8	57.8	61.8	65.9	69.9
70°	30.0	33.9	37.9	42.1	46.2	50.3	54.4	58.5	62.5	66.5	70.5
67.5°	30.5	34.4	38.6	42.7	46.9	51.0	55.2	59.2	63.3	67.3	71.3
65°	30.9	35.0	39.3	43.5	47.7	51.9	56.0	60.1	64.2	68.2	72.2
62.5°	31.4	35.7	39.8	44.0	48.3	52.7	57.3	61.4	65.4	69.2	73.2
60°	32.2	36.5	40.7	44.8	48.8	53.1	57.8	62.5	67.2	70.8	74.4
57.5°	33.1	37.4	41.6	45.8	49.9	54.3	58.7	63.1	67.7	72.0	75.9
55°	34.1	38.6	42.9	47.1	51.1	55.7	60.1	64.5	68.8	72.8	77.0
52.5°	35.1	39.8	44.4	48.9	53.2	57.4	61.7	66.1	70.3	74.3	78.2
50°	36.4	41.1	45.8	50.4	55.0	59.4	63.5	67.8	71.9	75.9	79.8
47.5°	37.7	42.6	47.4	52.1	56.9	61.5	65.7	69.5	73.6	77.6	81.5
45°	39.3	44.3	49.1	53.9	58.8	63.6	68.2	71.9	75.6	79.4	83.3
42.5°	41.0	46.1	51.1	56.0	60.6	65.5	70.2	74.2	77.8	81.5	85.0
40°	42.8	48.2	53.4	58.5	63.2	67.4	72.1	76.3	80.0	83.6	86.9
37.5°	44.9	49.8	55.9	61.6	66.4	70.7	74.7	78.7	82.3	85.9	89.1
35°	48.4	53.8	59.3	64.9	70.0	74.5	78.2	81.9	85.3	88.4	91.6
32.5°	52.0	58.5	64.9	69.8	75.2	79.3	82.5	85.4	88.8	91.6	94.3
30°	60.0	64.0	69.4	75.5	80.8	86.7	87.9	90.0	92.6	95.3	97.4
27.5°	67.3	71.6	75.4	79.5	84.7	92.0	95.5	95.2	97.0	99.2	101.1
25°	73.1	78.9	82.5	85.5	89.1	94.3	100.4	101.0	102.0	103.5	105.2
22.5°	76.8	85.0	90.0	92.7	95.2	99.0	103.7	105.9	107.6	109.0	109.8
20°	79.5	92.1	97.7	105.3	105.0	104.0	108.8	114.4	116.7	115.5	114.9
17.5°	96.0	102.2	122.4	132.4	123.3	114.2	128.3	134.6	129.7	122.9	120.4
15°	130.0	149.6	166.8	170.9	171.6	168.8	164.9	161.5	147.0	133.2	138.7
12.5°	317.9	223.3	264.8	434.0	318.1	252.5	218.2	195.2	201.0	211.7	208.1
10°	1075.7	4019.8	3585.4	1704.3	644.5	362.7	589.8	532.5	410.4	334.9	289.4
7.5°	17907.1	15643.0	9812.8	5049.6	3572.9	2757.0	1825.9	1088.8	658.9	471.2	379.4
5°	37844.4	29470.3	20635.7	13725.2	9205.5	5879.4	3307.6	1733.4	931.3	615.0	479.4
2.5°	54459.1	42323.3	31553.4	23206.9	16268.0	10695.6	6334.9	4187.8	3024.7	2118.8	1303.6
0°	86093.2	70181.5	53297.1	41174.3	28223.6	19203.9	11447.5	8164.7	5998.4	3923.4	2145.6
-2.5°	96406.8	77145.9	62087.1	47259.3	33349.1	23133.5	15618.1	11022.4	7384.9	4789.8	2710.3
-5°	99155.2	81990.4	67199.9	52587.4	38479.8	26975.0	19008.2	13270.2	8731.1	5603.3	3200.0
-7.5°	106869.4	87751.8	71510.8	56778.3	42438.3	30191.0	21480.9	14862.6	10142.0	6598.3	3752.3
-10°	113619.6	93856.2	76290.2	60143.0	44826.1	32466.1	23050.7	16081.6	11241.1	7284.3	4131.7
-12.5°	119284.6	98297.8	78648.9	61742.5	45615.2	34003.0	24275.1	17089.4	11976.8	7592.4	4296.4
-15°	122593.6	100679.3	81191.8	62254.4	46038.3	34742.1	25259.1	17995.1	12407.3	7508.5	4211.6
-17.5°	122655.4	100914.8	82058.5	62228.2	47117.1	35056.1	25809.0	18286.1	12243.8	7283.1	4109.8
-20°	119060.9	98584.1	79269.3	61760.2	47267.6	35267.6	25580.1	17657.7	11517.4	7007.9	4388.2



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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°	113846.3	92890.9	75031.9	59534.2	45878.3	34679.5	25181.2	16910.8	10208.6	6418.0	4501.5
-25°	108270.4	86718.8	70223.0	56210.2	43604.7	33031.3	23984.7	15839.8	9824.5	6036.6	4465.1
-27.5°	100060.7	80686.6	65048.6	52223.5	40862.1	30871.9	21823.3	14070.1	9137.0	6185.6	4403.7
-30°	90081.5	74095.8	59937.1	47789.3	37299.4	27600.7	18546.1	12822.4	8689.2	6028.2	4364.6
-32.5°	80043.9	66269.2	53722.0	42623.5	32460.1	23020.9	16325.8	11364.5	7951.1	5785.6	4397.3
-35°	69896.8	57742.0	46919.8	36343.1	26241.9	19346.7	13887.9	10124.8	7267.1	5406.6	4376.2
-37.5°	60093.5	49042.3	38640.8	29217.0	21814.0	15981.8	12198.1	9074.6	6548.3	5237.2	4282.5
-40°	49220.2	39039.9	31001.7	23829.7	18397.9	13853.3	10692.5	8011.7	6309.2	4985.3	4116.2
-42.5°	38944.4	31362.4	25193.1	20303.3	15889.1	12193.7	9264.1	7393.5	5916.0	4776.0	3871.3
-45°	30845.8	25791.9	21134.1	17129.9	13462.2	10629.1	8246.6	6715.9	5494.7	4461.0	3570.4
-47.5°	24956.7	21028.2	17291.4	14242.6	11611.6	9302.7	7490.2	6054.4	4992.4	4058.2	3325.1
-50°	19863.0	17103.1	14447.4	12007.0	9994.1	8195.4	6667.9	5355.1	4441.0	3681.4	3023.3
-52.5°	16265.3	14188.2	12165.5	10206.3	8499.3	7054.4	5765.0	4736.3	3916.0	3275.2	2701.2
-55°	13516.0	11776.1	10064.6	8468.7	7057.8	5970.7	4975.1	4116.0	3423.2	2858.5	2374.4
-57.5°	10710.9	9328.9	8107.3	6948.3	5864.9	4983.1	4214.4	3520.3	2944.9	2475.2	2039.9
-60°	8493.0	7401.4	6512.9	5648.0	4810.5	4069.6	3506.8	2980.2	2493.6	2094.2	1733.1
-62.5°	6720.6	5934.7	5205.8	4533.7	3903.2	3338.8	2874.7	2459.6	2070.2	1722.4	1455.3
-65°	5211.4	4605.1	4041.4	3559.0	3100.2	2668.8	2297.6	1977.3	1695.3	1434.0	1204.2
-67.5°	3948.8	3494.4	3083.1	2721.4	2407.8	2104.4	1836.1	1585.1	1367.4	1168.0	994.7
-70°	2979.8	2656.4	2364.5	2101.8	1862.6	1640.8	1441.7	1257.3	1080.5	929.5	809.0
-72.5°	2234.1	2003.5	1793.3	1604.7	1419.8	1254.9	1110.2	980.2	856.7	740.6	650.2
-75°	1628.3	1475.1	1328.0	1196.0	1067.3	942.9	842.6	761.0	683.5	610.9	548.1
-77.5°	1188.6	1085.4	987.5	903.1	819.9	738.4	662.9	605.8	559.0	514.1	474.1
-80°	891.6	824.3	759.2	704.3	651.2	600.4	553.7	515.8	479.2	446.3	419.2
-82.5°	687.6	643.2	600.1	567.2	534.7	503.0	472.6	448.2	424.9	402.8	382.7
-85°	554.3	524.5	495.2	473.9	452.9	432.3	412.3	397.7	383.5	369.9	357.0
-87.5°	459.2	440.2	421.3	408.0	394.7	381.6	368.5	359.9	351.4	342.9	334.7
-90°	28.2	32.0	35.7	39.7	43.7	47.7	51.7	56.0	60.2	64.5	68.7



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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°	310.2	306.2	302.2	298.2	288.3	278.5	268.6	258.7	243.4	228.1	212.8
87.5°	72.5	76.2	80.0	83.7	87.0	90.3	93.6	96.9	99.7	102.6	105.4
85°	72.6	76.4	80.1	83.8	87.1	90.4	93.7	97.0	99.8	102.6	105.4
82.5°	72.8	76.6	80.3	84.0	87.3	90.6	93.9	97.1	99.9	102.7	105.5
80°	73.1	76.8	80.6	84.2	87.5	90.8	94.1	97.3	100.1	102.9	105.7
77.5°	73.5	77.2	80.9	84.5	87.8	91.1	94.3	97.5	100.3	103.0	105.8
75°	73.9	77.7	81.4	84.9	88.2	91.4	94.7	97.8	100.5	103.3	106.0
72.5°	74.1	78.0	81.9	85.4	88.6	91.8	95.0	98.1	100.8	103.5	106.2
70°	74.5	78.5	82.4	85.9	89.1	92.3	95.5	98.4	101.1	103.8	106.5
67.5°	75.3	79.2	83.2	86.5	89.7	92.8	96.0	98.8	101.5	104.1	106.8
65°	76.2	80.1	83.9	87.1	90.3	93.4	96.6	99.3	101.9	104.5	107.1
62.5°	77.1	81.0	84.7	87.9	91.0	94.1	97.1	99.8	102.4	104.9	107.5
60°	78.2	82.1	85.5	88.7	91.8	94.8	97.8	100.3	102.9	105.4	107.9
57.5°	79.5	83.2	86.5	89.6	92.6	95.6	98.5	101.0	103.4	105.9	108.3
55°	80.8	84.4	87.5	90.5	93.5	96.5	99.3	101.8	104.0	106.4	108.6
52.5°	82.1	85.6	88.8	91.6	94.5	97.4	100.2	102.6	104.8	106.9	109.0
50°	83.6	86.9	90.1	93.1	95.6	98.3	101.2	103.6	105.7	107.6	109.5
47.5°	85.0	88.3	91.5	94.6	97.1	99.3	102.1	104.6	106.7	108.5	109.9
45°	86.6	89.8	92.9	95.9	98.6	100.5	102.9	105.8	107.7	109.3	110.5
42.5°	88.3	91.4	94.4	97.4	99.8	101.8	103.8	106.6	108.8	110.1	111.1
40°	90.0	93.1	96.0	98.8	101.1	103.0	104.9	107.4	110.0	110.9	111.8
37.5°	91.9	94.9	97.7	100.3	102.5	104.4	106.1	108.2	110.9	111.8	112.6
35°	94.3	96.8	99.4	101.9	104.1	105.8	107.2	109.1	111.6	112.8	113.3
32.5°	96.9	99.0	101.3	103.6	105.7	107.3	108.5	110.4	112.5	113.8	114.1
30°	99.7	101.6	103.4	105.3	107.5	109.0	110.2	111.9	113.5	114.8	114.8
27.5°	102.8	104.4	105.6	107.3	109.2	110.7	112.4	113.5	114.6	115.8	115.7
25°	106.4	107.5	108.4	109.4	110.9	113.7	114.8	115.3	116.0	116.7	116.6
22.5°	110.4	110.9	111.2	111.7	114.9	117.0	117.4	117.4	117.5	117.8	117.5
20°	114.6	114.5	115.5	118.1	119.8	120.6	120.2	119.6	119.1	118.9	118.4
17.5°	119.0	125.6	128.2	126.3	125.2	124.6	123.3	121.8	120.8	120.1	119.3
15°	149.6	149.1	143.5	136.1	131.1	129.0	126.5	124.2	122.5	121.3	121.3
12.5°	194.3	176.9	161.1	147.0	137.3	133.6	129.8	126.6	124.3	124.4	124.5
10°	245.7	208.1	180.3	158.8	143.8	138.4	133.1	131.6	129.9	128.9	127.8
7.5°	301.7	241.5	200.6	171.1	158.6	156.8	150.6	142.6	136.2	133.6	131.1
5°	418.1	357.0	307.9	261.3	219.4	190.6	171.1	154.0	142.6	138.3	134.5
2.5°	786.3	602.5	472.8	365.9	282.4	225.2	192.0	165.5	148.9	143.0	137.8
0°	1156.0	848.4	637.7	470.3	345.2	259.6	212.6	176.8	155.2	147.7	141.1
-2.5°	1488.8	1117.4	864.6	677.3	509.4	375.2	282.4	219.4	180.0	162.8	151.4
-5°	1802.7	1375.1	1085.0	877.3	667.5	486.4	349.7	260.5	204.2	177.7	161.6
-7.5°	2137.0	1634.4	1303.4	1066.5	816.1	589.9	412.7	299.2	227.3	192.1	171.4
-10°	2442.6	1884.2	1518.7	1240.3	954.8	690.0	473.2	334.4	248.8	205.8	180.9
-12.5°	2699.2	2109.2	1717.9	1399.6	1080.0	786.2	548.8	380.9	270.7	218.6	189.9
-15°	2898.9	2306.0	1898.3	1542.3	1189.1	870.8	615.2	429.2	305.4	235.2	198.3
-17.5°	3058.3	2471.4	2057.6	1666.6	1280.0	942.3	671.0	470.6	335.8	256.2	209.7
-20°	3286.5	2623.3	2192.4	1770.7	1351.0	999.5	715.1	504.3	361.2	274.7	222.7



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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°	3419.6	2758.5	2293.2	1844.0	1404.8	1041.3	746.1	529.4	380.9	290.6	234.5
-25°	3436.4	2856.1	2368.0	1889.2	1444.6	1073.8	769.2	545.4	394.5	303.5	244.7
-27.5°	3469.7	2916.0	2416.7	1908.3	1466.6	1088.3	785.4	561.0	404.6	313.3	253.3
-30°	3499.0	2944.9	2420.6	1905.0	1467.1	1090.3	788.8	567.9	415.7	322.1	260.2
-32.5°	3559.6	2942.8	2388.5	1887.8	1453.8	1077.7	784.6	565.4	422.0	329.7	266.3
-35°	3577.4	2906.0	2326.6	1844.6	1423.8	1066.8	776.8	553.3	423.6	334.8	271.5
-37.5°	3512.5	2827.3	2253.4	1783.2	1374.1	1040.7	765.2	551.9	420.3	337.3	275.5
-40°	3361.0	2709.6	2164.8	1707.8	1323.3	999.4	741.3	549.1	418.5	337.2	278.1
-42.5°	3152.8	2570.3	2056.4	1611.2	1260.7	958.8	707.9	537.4	417.8	337.5	279.4
-45°	2950.8	2400.3	1919.9	1519.2	1183.7	904.1	683.6	518.9	412.7	337.4	280.3
-47.5°	2712.9	2207.9	1769.2	1400.0	1103.6	842.3	648.4	506.3	402.8	335.7	281.1
-50°	2455.6	1995.0	1600.5	1276.4	1002.2	787.5	608.6	487.6	397.1	331.6	280.7
-52.5°	2194.8	1767.2	1428.1	1140.8	912.6	720.2	578.1	464.5	388.1	327.2	279.2
-55°	1920.4	1545.2	1252.2	1015.7	817.3	666.5	540.7	448.6	375.9	321.8	276.7
-57.5°	1667.6	1328.6	1094.4	893.1	736.6	611.1	509.1	428.9	364.8	314.5	274.3
-60°	1413.7	1155.7	940.7	791.6	664.2	560.0	479.8	408.1	352.6	306.2	270.2
-62.5°	1205.9	985.4	825.7	699.7	597.1	515.2	448.5	389.5	338.3	299.5	265.1
-65°	1017.6	852.8	713.7	618.2	535.1	469.4	421.0	368.6	327.5	292.0	259.7
-67.5°	841.3	724.4	618.7	536.5	480.5	433.3	390.4	352.8	317.0	283.6	255.1
-70°	702.4	605.1	532.5	480.5	435.9	397.3	370.0	338.9	305.6	277.2	249.9
-72.5°	585.6	525.9	471.5	428.0	401.4	375.7	351.1	324.9	297.1	270.3	244.3
-75°	496.8	459.4	427.0	399.4	375.9	353.7	335.2	314.3	288.2	262.8	239.9
-77.5°	444.2	416.7	391.9	373.0	355.7	338.6	321.6	303.1	279.4	257.1	235.7
-80°	401.5	384.8	369.2	354.4	338.7	323.2	308.8	293.4	272.0	251.2	231.1
-82.5°	369.8	358.7	348.2	337.8	324.4	311.1	297.7	283.8	264.2	245.0	226.5
-85°	348.4	339.9	331.5	323.2	311.0	298.7	286.8	274.8	257.1	239.5	222.2
-87.5°	328.5	322.4	316.4	310.5	299.6	288.7	277.8	266.9	250.4	233.9	217.6
-90°	72.5	76.2	80.0	83.7	87.0	90.3	93.6	96.9	99.7	102.6	105.4



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	197.5	181.3	165.0	148.8	132.6	125.5	118.5
87.5°	108.2	110.3	112.3	114.4	116.5	117.5	118.5
85°	108.2	110.2	112.3	114.3	116.5	117.5	118.5
82.5°	108.3	110.2	112.2	114.3	116.4	117.5	118.5
80°	108.4	110.2	112.2	114.2	116.3	117.5	118.5
77.5°	108.5	110.3	112.2	114.2	116.3	117.5	118.5
75°	108.6	110.5	112.2	114.2	116.2	117.5	118.5
72.5°	108.7	110.6	112.4	114.2	116.2	117.5	118.5
70°	108.9	110.8	112.6	114.2	116.1	117.5	118.5
67.5°	109.1	111.0	112.8	114.4	116.1	117.5	118.5
65°	109.3	111.3	113.0	114.5	116.1	117.5	118.5
62.5°	109.6	111.5	113.2	114.7	116.1	117.5	118.5
60°	109.8	111.7	113.5	115.0	116.1	117.5	118.5
57.5°	110.1	111.9	113.7	115.2	116.2	117.5	118.5
55°	110.4	112.2	113.9	115.4	116.3	117.5	118.5
52.5°	110.7	112.4	114.1	115.6	116.5	117.5	118.5
50°	111.1	112.7	114.3	115.9	116.6	117.6	118.5
47.5°	111.4	113.0	114.6	116.1	116.8	117.6	118.5
45°	111.9	113.3	114.8	116.3	116.9	117.6	118.5
42.5°	112.4	113.6	115.1	116.5	117.0	117.6	118.5
40°	112.9	114.0	115.4	116.7	117.2	117.7	118.5
37.5°	113.4	114.3	115.7	116.9	117.3	117.7	118.5
35°	114.0	114.8	115.9	117.2	117.5	117.7	118.5
32.5°	114.6	115.3	116.3	117.4	117.6	117.8	118.5
30°	115.3	115.8	116.6	117.7	117.8	117.8	118.5
27.5°	115.9	116.3	117.1	118.0	117.9	117.9	118.5
25°	116.6	116.8	117.8	118.4	118.1	117.9	118.5
22.5°	117.3	117.6	118.5	118.7	118.2	118.0	118.5
20°	117.9	118.9	119.2	119.1	118.4	118.0	118.5
17.5°	119.5	120.3	120.0	119.5	118.5	118.1	118.5
15°	121.7	121.7	120.8	119.9	118.7	118.1	118.5
12.5°	123.9	123.2	121.7	120.3	118.8	118.2	118.5
10°	126.2	124.7	122.6	120.7	119.0	118.3	118.5
7.5°	128.5	126.2	123.4	121.1	119.1	118.3	118.5
5°	130.9	127.7	124.3	121.5	119.2	118.4	118.5
2.5°	133.2	129.2	125.2	121.9	119.4	118.4	118.5
0°	135.5	130.7	126.0	122.3	119.5	118.5	118.5
-2.5°	142.6	134.9	128.6	124.0	120.5	118.9	118.5
-5°	149.6	138.9	131.2	125.7	121.5	119.3	118.5
-7.5°	156.4	142.9	133.8	127.4	122.4	119.7	118.5
-10°	162.8	146.7	136.2	129.0	123.4	120.1	118.5
-12.5°	168.8	150.3	138.6	130.6	124.3	120.5	118.5
-15°	174.4	153.8	140.9	132.1	125.2	120.9	118.5
-17.5°	179.4	157.0	143.1	133.6	126.1	121.3	118.5
-20°	185.4	159.9	145.2	135.0	126.9	121.7	118.5



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	193.5	162.6	147.2	136.3	127.8	122.0	118.5
-25°	200.9	167.5	149.0	137.6	128.5	122.4	118.5
-27.5°	207.4	173.0	150.7	138.7	129.3	122.7	118.5
-30°	213.1	178.0	152.5	139.8	130.0	123.0	118.5
-32.5°	218.0	182.5	156.1	140.8	130.7	123.4	118.5
-35°	222.8	186.4	159.3	141.7	131.3	123.6	118.5
-37.5°	227.2	189.9	162.2	142.5	131.9	123.9	118.5
-40°	230.7	193.3	164.7	143.2	132.4	124.2	118.5
-42.5°	233.3	196.1	166.9	144.1	132.9	124.4	118.5
-45°	235.0	198.3	169.0	145.6	133.3	124.7	118.5
-47.5°	235.9	200.0	170.6	146.9	133.7	124.9	118.5
-50°	236.8	201.1	172.0	148.2	134.0	125.1	118.5
-52.5°	237.0	201.6	173.0	149.4	134.3	125.2	118.5
-55°	236.4	202.0	173.7	150.4	134.5	125.4	118.5
-57.5°	235.1	202.1	174.1	151.2	134.7	125.5	118.5
-60°	233.1	201.6	174.1	151.9	134.8	125.6	118.5
-62.5°	231.3	200.8	174.5	152.4	134.9	125.7	118.5
-65°	229.0	199.4	174.6	152.7	134.9	125.8	118.5
-67.5°	226.1	198.3	174.5	152.9	134.9	125.8	118.5
-70°	222.6	197.3	174.1	152.9	134.8	125.9	118.5
-72.5°	220.2	196.0	173.6	152.8	134.6	125.9	118.5
-75°	217.7	194.5	172.7	152.6	134.5	125.9	118.5
-77.5°	214.7	192.6	171.9	152.3	134.3	125.9	118.5
-80°	211.5	190.7	170.8	151.8	134.0	125.8	118.5
-82.5°	208.3	188.6	169.6	151.2	133.7	125.8	118.5
-85°	204.9	186.4	168.2	150.5	133.4	125.7	118.5
-87.5°	201.3	183.9	166.7	149.7	133.0	125.6	118.5
-90°	108.2	110.3	112.4	114.5	116.6	117.5	118.5

(END OF REPORT)