

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: P1212214 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS12-1000R-57-90-1S-HEG**

Issue Date: 11/14/2025

Test Information

Test Method: LM-79-08
Report Number: P1212214 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2509-549-12)
Test Lab: INNOVATION CENTER
Issue Date: 11/14/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: EPHESUS
Catalog Number: EPH-LS12-1000R-57-90-1S-HEG
Description: EPHESUS LS12 LUMINAIRE
(12) 5700K, 90 CRI LEDS AND 1S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

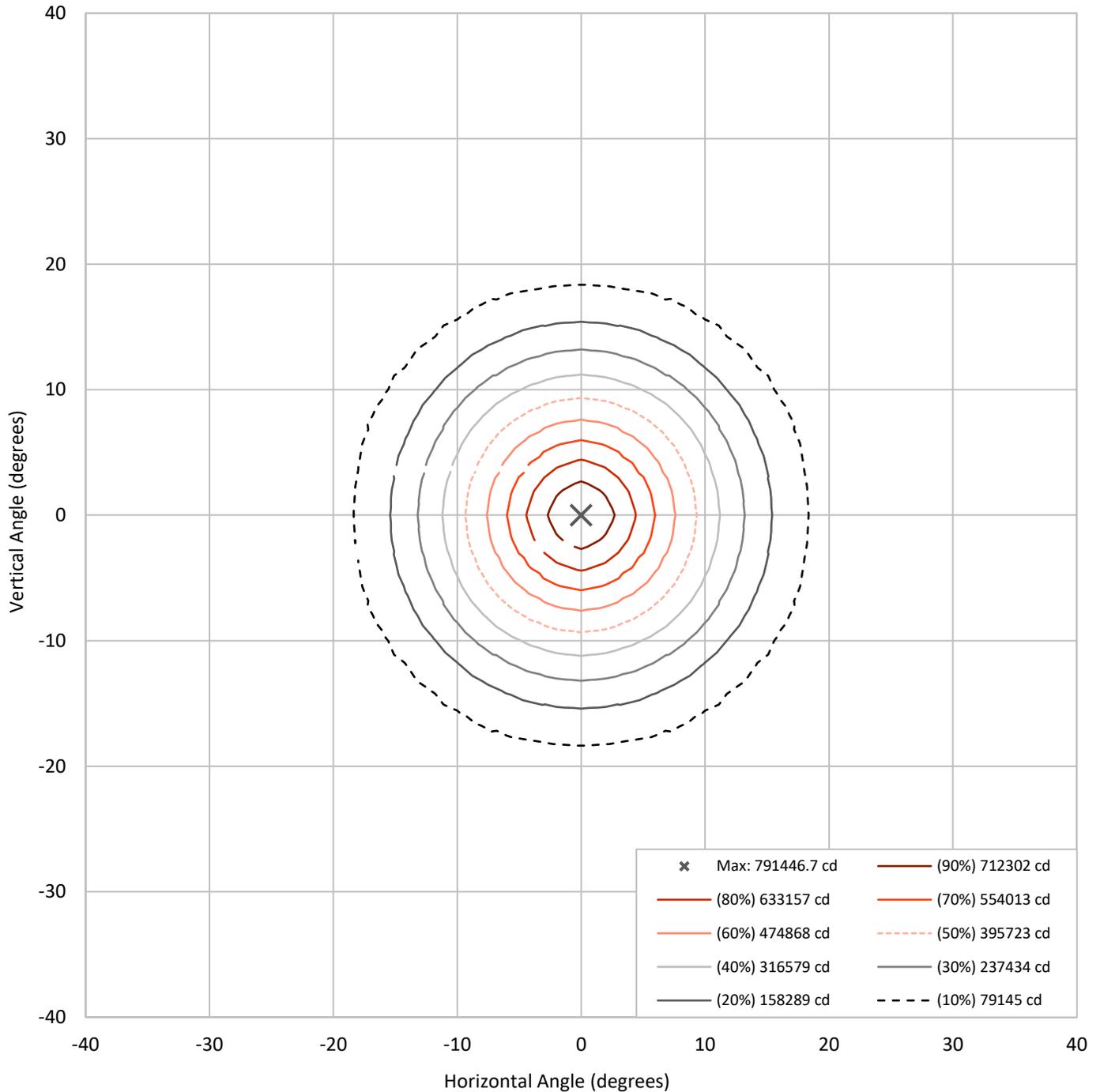
Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	124985 lumens	Max Intensity:	791446.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	113.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.83' x L: 0.79' x H: 0')		
Beam Angle (50%):	18.7°H x 18.7°V	Field Angle (10%):	36.7°H x 36.7°V
Beam Lumens:	44668 lumens	Field Lumens:	92774.2 lumens
Beam Efficiency:	35.7%	Field Efficiency:	74.2%

Input Watts (W): 1101.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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CATALOG NUMBER: EPH-LS12-1000R-57-90-1S-HEG

Iso-Candela Plot





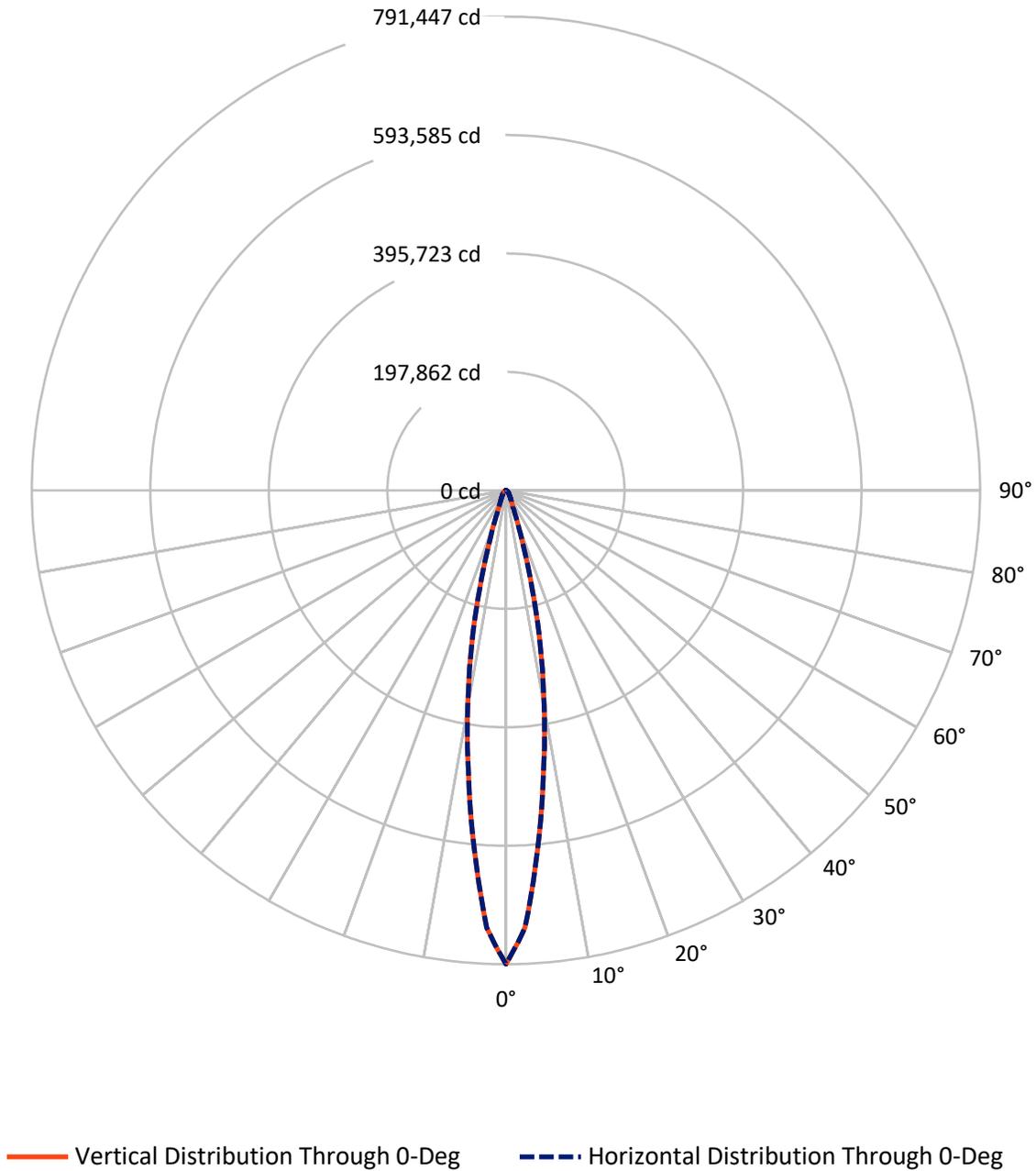
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Lumen Table

90	0.2		1.3		4.7		11.4		14.8		11.4		4.7		1.3		0.2		
80	0.2		1.3		4.7		11.4		14.8		11.4		4.7		1.3		0.2		
70	0.5	0.7	2.8	7.9	15.8	24.6	32.2	36.5	36.5	32.2	24.6	15.8	7.9	2.8	0.7	0.5			
60		2.1	9.2	23.0	42.6	66.6	87.9	99.8	99.8	87.9	66.6	42.6	23.0	9.2	2.1				
50	1.5	4.9	18.8	45.4	86.3	134.3	177.3	200.7	200.7	177.3	134.3	86.3	45.4	18.8	4.9	1.5			
40		8.4	30.1	74.8	142.6	212.1	278.2	329.6	329.6	278.2	212.1	142.6	74.8	30.1	8.4				
30	3.3	11.8	42.8	105.5	192.0	310.4	506.8	741.1	741.1	506.8	310.4	192.0	105.5	42.8	11.8	3.3			
20		14.6	53.0	130.8	236.9	476.8	1544.8	4605.6	4605.6	1544.8	476.8	236.9	130.8	53.0	14.6				
10	4.1	16.0	58.4	143.4	272.5	678.6	4490.8	14386.4	14386.4	4490.8	678.6	272.5	143.4	58.4	16.0	4.1			
0		16.0	58.4	143.4	272.5	678.6	4490.8	14386.4	14386.4	4490.8	678.6	272.5	143.4	58.4	16.0				
-10	3.3	14.6	53.0	130.8	236.9	476.8	1544.8	4605.6	4605.6	1544.8	476.8	236.9	130.8	53.0	14.6	3.3			
-20		11.8	42.8	105.5	192.0	310.4	506.8	741.1	741.1	506.8	310.4	192.0	105.5	42.8	11.8				
-30	1.5	8.4	30.1	74.8	142.6	212.1	278.2	329.6	329.6	278.2	212.1	142.6	74.8	30.1	8.4	1.5			
-40		4.9	18.8	45.4	86.3	134.3	177.3	200.7	200.7	177.3	134.3	86.3	45.4	18.8	4.9				
-50	0.5	2.1	9.2	23.0	42.6	66.6	87.9	99.8	99.8	87.9	66.6	42.6	23.0	9.2	2.1	0.5			
-60		0.7	2.8	7.9	15.8	24.6	32.2	36.5	36.5	32.2	24.6	15.8	7.9	2.8	0.7				
-70	0.2	1.3		4.7		11.4		14.8		11.4		4.7		1.3		0.2			
-80		1.3		4.7		11.4		14.8		11.4		4.7		1.3					
-90	0.2		1.3		4.7		11.4		14.8		11.4		4.7		1.3		0.2		
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

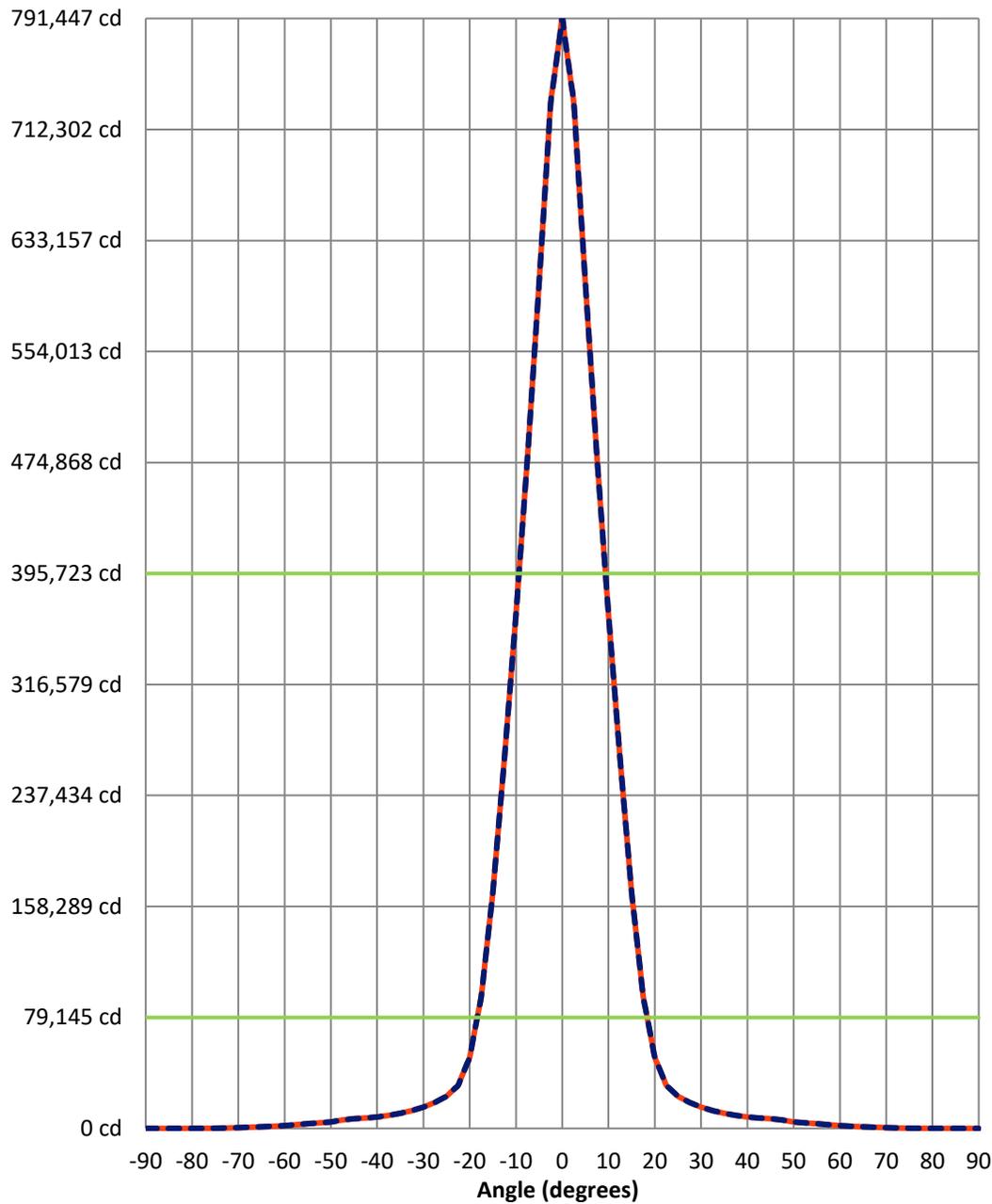
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CATALOG NUMBER: EPH-LS12-1000R-57-90-1S-HEG

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 18.7°
 V Angle: 18.7°
 Lumens: 44668
 Efficiency: 35.7%

Field:
 H Angle: 36.7°
 V Angle: 36.7°
 Lumens: 92774.2
 Efficiency: 74.2%

Spill:
 Lumens: 32210.8
 Efficiency: 25.8%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 0-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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.7	1.4	2.1	2.7	3.4	4.1	4.7	5.4	6.0	6.7
85°	0.0	1.4	2.8	4.1	5.5	6.8	8.2	9.5	10.8	12.1	13.3
82.5°	0.0	2.1	4.1	6.2	8.2	10.2	12.2	14.2	15.8	16.0	16.3
80°	0.0	2.7	5.5	8.2	10.9	13.6	15.9	16.1	16.4	16.7	17.0
77.5°	0.0	3.4	6.8	10.2	13.6	15.9	16.3	16.6	17.0	17.3	18.2
75°	0.0	4.1	8.2	12.2	15.9	16.3	16.7	17.1	17.7	19.3	20.9
72.5°	0.0	4.7	9.5	14.2	16.1	16.6	17.1	18.0	19.9	21.8	23.7
70°	0.0	5.4	10.8	15.8	16.4	17.0	17.7	19.9	22.1	24.3	29.9
67.5°	0.0	6.0	12.1	16.0	16.7	17.3	19.3	21.8	24.3	30.6	36.9
65°	0.0	6.7	13.3	16.3	17.0	18.2	20.9	23.7	29.9	36.9	45.9
62.5°	0.0	7.3	14.6	16.4	17.2	19.5	22.5	27.6	35.3	44.3	60.1
60°	0.0	7.9	15.8	16.6	17.5	20.8	24.0	32.2	40.6	56.8	74.0
57.5°	0.0	8.5	15.9	16.8	18.4	22.0	27.7	36.8	50.4	69.1	104.9
55°	0.0	9.1	16.0	17.0	19.4	23.2	31.5	41.2	61.0	86.0	143.1
52.5°	0.0	9.6	16.2	17.2	20.4	24.7	35.2	49.7	71.3	119.6	180.4
50°	0.0	10.2	16.3	17.4	21.3	27.7	38.7	58.5	86.9	152.1	234.2
47.5°	0.0	10.7	16.4	17.7	22.2	30.6	42.7	67.0	114.8	183.6	288.2
45°	0.0	11.2	16.5	18.3	23.0	33.3	49.7	75.1	141.7	230.0	340.4
42.5°	0.0	11.6	16.6	18.9	23.8	36.0	56.4	91.5	167.6	275.0	403.6
40°	0.0	12.1	16.7	19.5	25.2	38.5	62.8	113.0	196.6	318.1	466.4
37.5°	0.0	12.5	16.8	20.0	27.1	40.9	68.8	133.5	232.9	362.6	526.2
35°	0.0	12.9	16.9	20.5	28.9	44.8	74.6	153.0	267.3	413.4	592.3
32.5°	0.0	13.3	17.0	21.0	30.7	49.3	83.0	171.2	299.7	461.2	668.8
30°	0.0	13.7	17.0	21.5	32.2	53.5	97.6	190.5	330.0	506.1	740.5
27.5°	0.0	14.0	17.1	21.9	33.7	57.4	111.1	215.0	361.4	547.8	807.3
25°	0.0	14.3	17.2	22.3	35.1	61.0	123.6	237.6	395.3	597.0	869.2
22.5°	0.0	14.6	17.2	22.7	36.3	64.2	134.9	258.1	426.3	647.2	930.8
20°	0.0	14.8	17.3	23.0	37.4	67.2	145.2	276.7	454.2	692.5	986.4
17.5°	0.0	15.1	17.3	23.3	38.4	69.8	154.3	293.2	479.0	732.8	1035.8
15°	0.0	15.3	17.4	23.5	39.3	72.1	162.2	307.5	500.7	768.0	1079.0
12.5°	0.0	15.4	17.4	23.7	40.0	74.0	168.9	319.7	519.1	797.9	1115.7
10°	0.0	15.6	17.4	23.9	40.6	75.6	174.4	329.8	534.2	822.4	1145.9
7.5°	0.0	15.7	17.5	24.0	41.1	76.8	178.7	337.6	546.0	841.6	1169.5
5°	0.0	15.7	17.5	24.1	41.4	77.7	181.8	343.2	554.4	855.4	1186.4
2.5°	0.0	15.8	17.5	24.2	41.6	78.2	183.7	346.6	559.5	863.6	1196.6
0°	0.0	15.8	17.5	24.2	41.7	78.4	184.3	347.7	561.2	866.4	1200.0
-2.5°	0.0	15.8	17.5	24.2	41.6	78.2	183.7	346.6	559.5	863.6	1196.6
-5°	0.0	15.7	17.5	24.1	41.4	77.7	181.8	343.2	554.4	855.4	1186.4
-7.5°	0.0	15.7	17.5	24.0	41.1	76.8	178.7	337.6	546.0	841.6	1169.5
-10°	0.0	15.6	17.4	23.9	40.6	75.6	174.4	329.8	534.2	822.4	1145.9
-12.5°	0.0	15.4	17.4	23.7	40.0	74.0	168.9	319.7	519.1	797.9	1115.7
-15°	0.0	15.3	17.4	23.5	39.3	72.1	162.2	307.5	500.7	768.0	1079.0
-17.5°	0.0	15.1	17.3	23.3	38.4	69.8	154.3	293.2	479.0	732.8	1035.8
-20°	0.0	14.8	17.3	23.0	37.4	67.2	145.2	276.7	454.2	692.5	986.4



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 CATALOG NUMBER: EPH-LS12-1000R-57-90-1S-HEG

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	14.6	17.2	22.7	36.3	64.2	134.9	258.1	426.3	647.2	930.8
-25°	0.0	14.3	17.2	22.3	35.1	61.0	123.6	237.6	395.3	597.0	869.2
-27.5°	0.0	14.0	17.1	21.9	33.7	57.4	111.1	215.0	361.4	547.8	807.3
-30°	0.0	13.7	17.0	21.5	32.2	53.5	97.6	190.5	330.0	506.1	740.5
-32.5°	0.0	13.3	17.0	21.0	30.7	49.3	83.0	171.2	299.7	461.2	668.8
-35°	0.0	12.9	16.9	20.5	28.9	44.8	74.6	153.0	267.3	413.4	592.3
-37.5°	0.0	12.5	16.8	20.0	27.1	40.9	68.8	133.5	232.9	362.6	526.2
-40°	0.0	12.1	16.7	19.5	25.2	38.5	62.8	113.0	196.6	318.1	466.4
-42.5°	0.0	11.6	16.6	18.9	23.8	36.0	56.4	91.5	167.6	275.0	403.6
-45°	0.0	11.2	16.5	18.3	23.0	33.3	49.7	75.1	141.7	230.0	340.4
-47.5°	0.0	10.7	16.4	17.7	22.2	30.6	42.7	67.0	114.8	183.6	288.2
-50°	0.0	10.2	16.3	17.4	21.3	27.7	38.7	58.5	86.9	152.1	234.2
-52.5°	0.0	9.6	16.2	17.2	20.4	24.7	35.2	49.7	71.3	119.6	180.4
-55°	0.0	9.1	16.0	17.0	19.4	23.2	31.5	41.2	61.0	86.0	143.1
-57.5°	0.0	8.5	15.9	16.8	18.4	22.0	27.7	36.8	50.4	69.1	104.9
-60°	0.0	7.9	15.8	16.6	17.5	20.8	24.0	32.2	40.6	56.8	74.0
-62.5°	0.0	7.3	14.6	16.4	17.2	19.5	22.5	27.6	35.3	44.3	60.1
-65°	0.0	6.7	13.3	16.3	17.0	18.2	20.9	23.7	29.9	36.9	45.9
-67.5°	0.0	6.0	12.1	16.0	16.7	17.3	19.3	21.8	24.3	30.6	36.9
-70°	0.0	5.4	10.8	15.8	16.4	17.0	17.7	19.9	22.1	24.3	29.9
-72.5°	0.0	4.7	9.5	14.2	16.1	16.6	17.1	18.0	19.9	21.8	23.7
-75°	0.0	4.1	8.2	12.2	15.9	16.3	16.7	17.1	17.7	19.3	20.9
-77.5°	0.0	3.4	6.8	10.2	13.6	15.9	16.3	16.6	17.0	17.3	18.2
-80°	0.0	2.7	5.5	8.2	10.9	13.6	15.9	16.1	16.4	16.7	17.0
-82.5°	0.0	2.1	4.1	6.2	8.2	10.2	12.2	14.2	15.8	16.0	16.3
-85°	0.0	1.4	2.8	4.1	5.5	6.8	8.2	9.5	10.8	12.1	13.3
-87.5°	0.0	0.7	1.4	2.1	2.7	3.4	4.1	4.7	5.4	6.0	6.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.3	7.9	8.5	9.1	9.6	10.2	10.7	11.2	11.6	12.1	12.5
85°	14.6	15.8	15.9	16.0	16.2	16.3	16.4	16.5	16.6	16.7	16.8
82.5°	16.4	16.6	16.8	17.0	17.2	17.4	17.7	18.3	18.9	19.5	20.0
80°	17.2	17.5	18.4	19.4	20.4	21.3	22.2	23.0	23.8	25.2	27.1
77.5°	19.5	20.8	22.0	23.2	24.7	27.7	30.6	33.3	36.0	38.5	40.9
75°	22.5	24.0	27.7	31.5	35.2	38.7	42.7	49.7	56.4	62.8	68.8
72.5°	27.6	32.2	36.8	41.2	49.7	58.5	67.0	75.1	91.5	113.0	133.5
70°	35.3	40.6	50.4	61.0	71.3	86.9	114.8	141.7	167.6	196.6	232.9
67.5°	44.3	56.8	69.1	86.0	119.6	152.1	183.6	230.0	275.0	318.1	362.6
65°	60.1	74.0	104.9	143.1	180.4	234.2	288.2	340.4	403.6	466.4	526.2
62.5°	75.6	114.3	157.4	207.7	270.9	332.4	405.5	480.7	553.0	648.5	743.0
60°	114.3	162.2	222.5	293.2	366.6	454.2	539.2	647.2	760.4	869.2	982.6
57.5°	157.4	222.5	300.6	386.1	483.7	586.1	718.0	845.6	978.1	1107.3	1232.1
55°	207.7	293.2	386.1	493.5	614.5	760.8	906.3	1056.9	1202.3	1348.1	1487.6
52.5°	270.9	366.6	483.7	614.5	775.1	937.9	1104.6	1269.1	1432.0	1602.0	1799.8
50°	332.4	454.2	586.1	760.8	937.9	1120.5	1302.7	1482.9	1691.9	1913.1	2182.0
47.5°	405.5	539.2	718.0	906.3	1104.6	1302.7	1499.9	1737.1	1981.7	2317.7	2651.2
45°	480.7	647.2	845.6	1056.9	1269.1	1482.9	1737.1	2004.7	2386.0	2763.4	3156.2
42.5°	553.0	760.4	978.1	1202.3	1432.0	1691.9	1981.7	2386.0	2801.8	3234.3	3593.9
40°	648.5	869.2	1107.3	1348.1	1602.0	1913.1	2317.7	2763.4	3234.3	3624.0	3958.0
37.5°	743.0	982.6	1232.1	1487.6	1799.8	2182.0	2651.2	3156.2	3593.9	3958.0	4377.9
35°	832.8	1090.3	1354.7	1643.5	1988.6	2480.0	3001.4	3504.3	3896.8	4340.4	4945.9
32.5°	922.4	1192.2	1470.7	1809.2	2244.0	2772.4	3337.3	3775.5	4228.5	4783.7	5777.1
30°	1009.3	1291.6	1589.9	1965.2	2491.9	3067.9	3596.4	4044.4	4558.3	5529.1	6388.6
27.5°	1090.3	1384.7	1723.7	2160.7	2729.1	3345.0	3821.7	4334.6	5121.4	6172.3	6871.7
25°	1165.2	1470.7	1847.7	2359.1	2967.1	3556.7	4042.8	4605.4	5737.5	6596.4	7157.6
22.5°	1235.0	1550.0	1961.2	2541.0	3185.7	3735.6	4274.6	5091.7	6219.6	6981.2	7379.6
20°	1299.5	1643.5	2091.7	2709.1	3384.1	3898.1	4485.6	5574.7	6554.2	7170.6	7657.2
17.5°	1356.9	1726.9	2226.2	2871.7	3525.6	4057.3	4709.1	6008.4	6855.3	7341.5	7942.9
15°	1407.0	1799.8	2343.9	3014.1	3642.9	4210.3	5061.2	6272.6	7050.0	7516.3	8200.3
12.5°	1449.7	1861.9	2444.2	3135.6	3743.1	4341.3	5362.8	6482.9	7169.9	7717.8	8538.7
10°	1484.8	1913.1	2526.9	3235.8	3825.8	4449.4	5612.2	6657.1	7269.4	7885.3	8820.5
7.5°	1512.3	1953.0	2591.6	3314.2	3890.6	4534.2	5807.9	6793.9	7347.6	8017.2	9042.8
5°	1531.9	1981.7	2638.0	3370.5	3937.1	4595.1	5948.6	6892.3	7403.9	8112.3	9203.5
2.5°	1543.8	1998.9	2665.9	3404.4	3965.1	4631.7	6033.4	6951.7	7437.9	8169.8	9300.6
0°	1547.7	2004.7	2675.2	3415.7	3974.4	4644.0	6061.7	6971.5	7449.3	8189.0	9333.1
-2.5°	1543.8	1998.9	2665.9	3404.4	3965.1	4631.7	6033.4	6951.7	7437.9	8169.8	9300.6
-5°	1531.9	1981.7	2638.0	3370.5	3937.1	4595.1	5948.6	6892.3	7403.9	8112.3	9203.5
-7.5°	1512.3	1953.0	2591.6	3314.2	3890.6	4534.2	5807.9	6793.9	7347.6	8017.2	9042.8
-10°	1484.8	1913.1	2526.9	3235.8	3825.8	4449.4	5612.2	6657.1	7269.4	7885.3	8820.5
-12.5°	1449.7	1861.9	2444.2	3135.6	3743.1	4341.3	5362.8	6482.9	7169.9	7717.8	8538.7
-15°	1407.0	1799.8	2343.9	3014.1	3642.9	4210.3	5061.2	6272.6	7050.0	7516.3	8200.3
-17.5°	1356.9	1726.9	2226.2	2871.7	3525.6	4057.3	4709.1	6008.4	6855.3	7341.5	7942.9
-20°	1299.5	1643.5	2091.7	2709.1	3384.1	3898.1	4485.6	5574.7	6554.2	7170.6	7657.2



REPORT NUMBER: P1212214 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-57-90-1S-HEG

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1235.0	1550.0	1961.2	2541.0	3185.7	3735.6	4274.6	5091.7	6219.6	6981.2	7379.6
-25°	1165.2	1470.7	1847.7	2359.1	2967.1	3556.7	4042.8	4605.4	5737.5	6596.4	7157.6
-27.5°	1090.3	1384.7	1723.7	2160.7	2729.1	3345.0	3821.7	4334.6	5121.4	6172.3	6871.7
-30°	1009.3	1291.6	1589.9	1965.2	2491.9	3067.9	3596.4	4044.4	4558.3	5529.1	6388.6
-32.5°	922.4	1192.2	1470.7	1809.2	2244.0	2772.4	3337.3	3775.5	4228.5	4783.7	5777.1
-35°	832.8	1090.3	1354.7	1643.5	1988.6	2480.0	3001.4	3504.3	3896.8	4340.4	4945.9
-37.5°	743.0	982.6	1232.1	1487.6	1799.8	2182.0	2651.2	3156.2	3593.9	3958.0	4377.9
-40°	648.5	869.2	1107.3	1348.1	1602.0	1913.1	2317.7	2763.4	3234.3	3624.0	3958.0
-42.5°	553.0	760.4	978.1	1202.3	1432.0	1691.9	1981.7	2386.0	2801.8	3234.3	3593.9
-45°	480.7	647.2	845.6	1056.9	1269.1	1482.9	1737.1	2004.7	2386.0	2763.4	3156.2
-47.5°	405.5	539.2	718.0	906.3	1104.6	1302.7	1499.9	1737.1	1981.7	2317.7	2651.2
-50°	332.4	454.2	586.1	760.8	937.9	1120.5	1302.7	1482.9	1691.9	1913.1	2182.0
-52.5°	270.9	366.6	483.7	614.5	775.1	937.9	1104.6	1269.1	1432.0	1602.0	1799.8
-55°	207.7	293.2	386.1	493.5	614.5	760.8	906.3	1056.9	1202.3	1348.1	1487.6
-57.5°	157.4	222.5	300.6	386.1	483.7	586.1	718.0	845.6	978.1	1107.3	1232.1
-60°	114.3	162.2	222.5	293.2	366.6	454.2	539.2	647.2	760.4	869.2	982.6
-62.5°	75.6	114.3	157.4	207.7	270.9	332.4	405.5	480.7	553.0	648.5	743.0
-65°	60.1	74.0	104.9	143.1	180.4	234.2	288.2	340.4	403.6	466.4	526.2
-67.5°	44.3	56.8	69.1	86.0	119.6	152.1	183.6	230.0	275.0	318.1	362.6
-70°	35.3	40.6	50.4	61.0	71.3	86.9	114.8	141.7	167.6	196.6	232.9
-72.5°	27.6	32.2	36.8	41.2	49.7	58.5	67.0	75.1	91.5	113.0	133.5
-75°	22.5	24.0	27.7	31.5	35.2	38.7	42.7	49.7	56.4	62.8	68.8
-77.5°	19.5	20.8	22.0	23.2	24.7	27.7	30.6	33.3	36.0	38.5	40.9
-80°	17.2	17.5	18.4	19.4	20.4	21.3	22.2	23.0	23.8	25.2	27.1
-82.5°	16.4	16.6	16.8	17.0	17.2	17.4	17.7	18.3	18.9	19.5	20.0
-85°	14.6	15.8	15.9	16.0	16.2	16.3	16.4	16.5	16.6	16.7	16.8
-87.5°	7.3	7.9	8.5	9.1	9.6	10.2	10.7	11.2	11.6	12.1	12.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1212214 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-57-90-1S-HEG

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	12.9	13.3	13.7	14.0	14.3	14.6	14.8	15.1	15.3	15.4	15.6
85°	16.9	17.0	17.0	17.1	17.2	17.2	17.3	17.3	17.4	17.4	17.4
82.5°	20.5	21.0	21.5	21.9	22.3	22.7	23.0	23.3	23.5	23.7	23.9
80°	28.9	30.7	32.2	33.7	35.1	36.3	37.4	38.4	39.3	40.0	40.6
77.5°	44.8	49.3	53.5	57.4	61.0	64.2	67.2	69.8	72.1	74.0	75.6
75°	74.6	83.0	97.6	111.1	123.6	134.9	145.2	154.3	162.2	168.9	174.4
72.5°	153.0	171.2	190.5	215.0	237.6	258.1	276.7	293.2	307.5	319.7	329.8
70°	267.3	299.7	330.0	361.4	395.3	426.3	454.2	479.0	500.7	519.1	534.2
67.5°	413.4	461.2	506.1	547.8	597.0	647.2	692.5	732.8	768.0	797.9	822.4
65°	592.3	668.8	740.5	807.3	869.2	930.8	986.4	1035.8	1079.0	1115.7	1145.9
62.5°	832.8	922.4	1009.3	1090.3	1165.2	1235.0	1299.5	1356.9	1407.0	1449.7	1484.8
60°	1090.3	1192.2	1291.6	1384.7	1470.7	1550.0	1643.5	1726.9	1799.8	1861.9	1913.1
57.5°	1354.7	1470.7	1589.9	1723.7	1847.7	1961.2	2091.7	2226.2	2343.9	2444.2	2526.9
55°	1643.5	1809.2	1965.2	2160.7	2359.1	2541.0	2709.1	2871.7	3014.1	3135.6	3235.8
52.5°	1988.6	2244.0	2491.9	2729.1	2967.1	3185.7	3384.1	3525.6	3642.9	3743.1	3825.8
50°	2480.0	2772.4	3067.9	3345.0	3556.7	3735.6	3898.1	4057.3	4210.3	4341.3	4449.4
47.5°	3001.4	3337.3	3596.4	3821.7	4042.8	4274.6	4485.6	4709.1	5061.2	5362.8	5612.2
45°	3504.3	3775.5	4044.4	4334.6	4605.4	5091.7	5574.7	6008.4	6272.6	6482.9	6657.1
42.5°	3896.8	4228.5	4558.3	5121.4	5737.5	6219.6	6554.2	6855.3	7050.0	7169.9	7269.4
40°	4340.4	4783.7	5529.1	6172.3	6596.4	6981.2	7170.6	7341.5	7516.3	7717.8	7885.3
37.5°	4945.9	5777.1	6388.6	6871.7	7157.6	7379.6	7657.2	7942.9	8200.3	8538.7	8820.5
35°	5860.4	6497.9	7007.2	7277.6	7578.5	7947.2	8340.7	8817.9	9242.3	9692.2	10090.4
32.5°	6497.9	7036.8	7338.4	7723.2	8145.0	8732.1	9297.6	9955.5	10552.2	11143.2	11701.8
30°	7007.2	7338.4	7771.9	8276.0	8971.6	9713.1	10502.0	11339.9	12172.0	12951.1	13749.3
27.5°	7277.6	7723.2	8276.0	9052.3	9929.6	10843.4	11933.6	13000.4	14181.1	15216.7	16398.0
25°	7578.5	8145.0	8971.6	9929.6	10989.0	12236.2	13616.2	15031.5	16699.4	18230.1	19809.2
22.5°	7947.2	8732.1	9713.1	10843.4	12236.2	13824.4	15553.0	17619.9	19778.1	21954.1	24470.2
20°	8340.7	9297.6	10502.0	11933.6	13616.2	15553.0	17932.2	20630.1	23546.1	27781.5	32573.1
17.5°	8817.9	9955.5	11339.9	13000.4	15031.5	17619.9	20630.1	24355.7	29498.2	39592.0	50103.2
15°	9242.3	10552.2	12172.0	14181.1	16699.4	19778.1	23546.1	29498.2	41999.4	60561.3	86065.6
12.5°	9692.2	11143.2	12951.1	15216.7	18230.1	21954.1	27781.5	39592.0	60561.3	92260.1	139806.7
10°	10090.4	11701.8	13749.3	16398.0	19809.2	24470.2	32573.1	50103.2	86065.6	139806.7	200778.8
7.5°	10405.4	12144.9	14384.6	17343.4	21165.0	27140.0	40276.2	68201.4	116873.6	184717.7	264517.5
5°	10633.3	12466.2	14846.5	18033.3	22158.7	29108.2	45999.1	82335.7	144686.4	226265.3	317353.4
2.5°	10771.3	12661.0	15127.2	18453.4	22765.8	30315.7	49530.5	91129.0	162198.1	253966.7	353651.8
0°	10817.5	12726.3	15221.3	18594.5	22970.0	30722.9	50725.0	94116.7	168188.7	263609.6	366532.4
-2.5°	10771.3	12661.0	15127.2	18453.4	22765.8	30315.7	49530.5	91129.0	162198.1	253966.7	353651.8
-5°	10633.3	12466.2	14846.5	18033.3	22158.7	29108.2	45999.1	82335.7	144686.4	226265.3	317353.4
-7.5°	10405.4	12144.9	14384.6	17343.4	21165.0	27140.0	40276.2	68201.4	116873.6	184717.7	264517.5
-10°	10090.4	11701.8	13749.3	16398.0	19809.2	24470.2	32573.1	50103.2	86065.6	139806.7	200778.8
-12.5°	9692.2	11143.2	12951.1	15216.7	18230.1	21954.1	27781.5	39592.0	60561.3	92260.1	139806.7
-15°	9242.3	10552.2	12172.0	14181.1	16699.4	19778.1	23546.1	29498.2	41999.4	60561.3	86065.6
-17.5°	8817.9	9955.5	11339.9	13000.4	15031.5	17619.9	20630.1	24355.7	29498.2	39592.0	50103.2
-20°	8340.7	9297.6	10502.0	11933.6	13616.2	15553.0	17932.2	20630.1	23546.1	27781.5	32573.1



REPORT NUMBER: P1212214 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-57-90-1S-HEG

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	7947.2	8732.1	9713.1	10843.4	12236.2	13824.4	15553.0	17619.9	19778.1	21954.1	24470.2
-25°	7578.5	8145.0	8971.6	9929.6	10989.0	12236.2	13616.2	15031.5	16699.4	18230.1	19809.2
-27.5°	7277.6	7723.2	8276.0	9052.3	9929.6	10843.4	11933.6	13000.4	14181.1	15216.7	16398.0
-30°	7007.2	7338.4	7771.9	8276.0	8971.6	9713.1	10502.0	11339.9	12172.0	12951.1	13749.3
-32.5°	6497.9	7036.8	7338.4	7723.2	8145.0	8732.1	9297.6	9955.5	10552.2	11143.2	11701.8
-35°	5860.4	6497.9	7007.2	7277.6	7578.5	7947.2	8340.7	8817.9	9242.3	9692.2	10090.4
-37.5°	4945.9	5777.1	6388.6	6871.7	7157.6	7379.6	7657.2	7942.9	8200.3	8538.7	8820.5
-40°	4340.4	4783.7	5529.1	6172.3	6596.4	6981.2	7170.6	7341.5	7516.3	7717.8	7885.3
-42.5°	3896.8	4228.5	4558.3	5121.4	5737.5	6219.6	6554.2	6855.3	7050.0	7169.9	7269.4
-45°	3504.3	3775.5	4044.4	4334.6	4605.4	5091.7	5574.7	6008.4	6272.6	6482.9	6657.1
-47.5°	3001.4	3337.3	3596.4	3821.7	4042.8	4274.6	4485.6	4709.1	5061.2	5362.8	5612.2
-50°	2480.0	2772.4	3067.9	3345.0	3556.7	3735.6	3898.1	4057.3	4210.3	4341.3	4449.4
-52.5°	1988.6	2244.0	2491.9	2729.1	2967.1	3185.7	3384.1	3525.6	3642.9	3743.1	3825.8
-55°	1643.5	1809.2	1965.2	2160.7	2359.1	2541.0	2709.1	2871.7	3014.1	3135.6	3235.8
-57.5°	1354.7	1470.7	1589.9	1723.7	1847.7	1961.2	2091.7	2226.2	2343.9	2444.2	2526.9
-60°	1090.3	1192.2	1291.6	1384.7	1470.7	1550.0	1643.5	1726.9	1799.8	1861.9	1913.1
-62.5°	832.8	922.4	1009.3	1090.3	1165.2	1235.0	1299.5	1356.9	1407.0	1449.7	1484.8
-65°	592.3	668.8	740.5	807.3	869.2	930.8	986.4	1035.8	1079.0	1115.7	1145.9
-67.5°	413.4	461.2	506.1	547.8	597.0	647.2	692.5	732.8	768.0	797.9	822.4
-70°	267.3	299.7	330.0	361.4	395.3	426.3	454.2	479.0	500.7	519.1	534.2
-72.5°	153.0	171.2	190.5	215.0	237.6	258.1	276.7	293.2	307.5	319.7	329.8
-75°	74.6	83.0	97.6	111.1	123.6	134.9	145.2	154.3	162.2	168.9	174.4
-77.5°	44.8	49.3	53.5	57.4	61.0	64.2	67.2	69.8	72.1	74.0	75.6
-80°	28.9	30.7	32.2	33.7	35.1	36.3	37.4	38.4	39.3	40.0	40.6
-82.5°	20.5	21.0	21.5	21.9	22.3	22.7	23.0	23.3	23.5	23.7	23.9
-85°	16.9	17.0	17.0	17.1	17.2	17.2	17.3	17.3	17.4	17.4	17.4
-87.5°	12.9	13.3	13.7	14.0	14.3	14.6	14.8	15.1	15.3	15.4	15.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1212214 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-57-90-1S-HEG

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	15.7	15.7	15.8	15.8	15.8	15.7	15.7	15.6	15.4	15.3	15.1
85°	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.4	17.4	17.4	17.3
82.5°	24.0	24.1	24.2	24.2	24.2	24.1	24.0	23.9	23.7	23.5	23.3
80°	41.1	41.4	41.6	41.7	41.6	41.4	41.1	40.6	40.0	39.3	38.4
77.5°	76.8	77.7	78.2	78.4	78.2	77.7	76.8	75.6	74.0	72.1	69.8
75°	178.7	181.8	183.7	184.3	183.7	181.8	178.7	174.4	168.9	162.2	154.3
72.5°	337.6	343.2	346.6	347.7	346.6	343.2	337.6	329.8	319.7	307.5	293.2
70°	546.0	554.4	559.5	561.2	559.5	554.4	546.0	534.2	519.1	500.7	479.0
67.5°	841.6	855.4	863.6	866.4	863.6	855.4	841.6	822.4	797.9	768.0	732.8
65°	1169.5	1186.4	1196.6	1200.0	1196.6	1186.4	1169.5	1145.9	1115.7	1079.0	1035.8
62.5°	1512.3	1531.9	1543.8	1547.7	1543.8	1531.9	1512.3	1484.8	1449.7	1407.0	1356.9
60°	1953.0	1981.7	1998.9	2004.7	1998.9	1981.7	1953.0	1913.1	1861.9	1799.8	1726.9
57.5°	2591.6	2638.0	2665.9	2675.2	2665.9	2638.0	2591.6	2526.9	2444.2	2343.9	2226.2
55°	3314.2	3370.5	3404.4	3415.7	3404.4	3370.5	3314.2	3235.8	3135.6	3014.1	2871.7
52.5°	3890.6	3937.1	3965.1	3974.4	3965.1	3937.1	3890.6	3825.8	3743.1	3642.9	3525.6
50°	4534.2	4595.1	4631.7	4644.0	4631.7	4595.1	4534.2	4449.4	4341.3	4210.3	4057.3
47.5°	5807.9	5948.6	6033.4	6061.7	6033.4	5948.6	5807.9	5612.2	5362.8	5061.2	4709.1
45°	6793.9	6892.3	6951.7	6971.5	6951.7	6892.3	6793.9	6657.1	6482.9	6272.6	6008.4
42.5°	7347.6	7403.9	7437.9	7449.3	7437.9	7403.9	7347.6	7269.4	7169.9	7050.0	6855.3
40°	8017.2	8112.3	8169.8	8189.0	8169.8	8112.3	8017.2	7885.3	7717.8	7516.3	7341.5
37.5°	9042.8	9203.5	9300.6	9333.1	9300.6	9203.5	9042.8	8820.5	8538.7	8200.3	7942.9
35°	10405.4	10633.3	10771.3	10817.5	10771.3	10633.3	10405.4	10090.4	9692.2	9242.3	8817.9
32.5°	12144.9	12466.2	12661.0	12726.3	12661.0	12466.2	12144.9	11701.8	11143.2	10552.2	9955.5
30°	14384.6	14846.5	15127.2	15221.3	15127.2	14846.5	14384.6	13749.3	12951.1	12172.0	11339.9
27.5°	17343.4	18033.3	18453.4	18594.5	18453.4	18033.3	17343.4	16398.0	15216.7	14181.1	13000.4
25°	21165.0	22158.7	22765.8	22970.0	22765.8	22158.7	21165.0	19809.2	18230.1	16699.4	15031.5
22.5°	27140.0	29108.2	30315.7	30722.9	30315.7	29108.2	27140.0	24470.2	21954.1	19778.1	17619.9
20°	40276.2	45999.1	49530.5	50725.0	49530.5	45999.1	40276.2	32573.1	27781.5	23546.1	20630.1
17.5°	68201.4	82335.7	91129.0	94116.7	91129.0	82335.7	68201.4	50103.2	39592.0	29498.2	24355.7
15°	116873.6	144686.4	162198.1	168188.7	162198.1	144686.4	116873.6	86065.6	60561.3	41999.4	29498.2
12.5°	184717.7	226265.3	253966.7	263609.6	253966.7	226265.3	184717.7	139806.7	92260.1	60561.3	39592.0
10°	264517.5	317353.4	353651.8	366532.4	353651.8	317353.4	264517.5	200778.8	139806.7	86065.6	50103.2
7.5°	341530.0	410071.6	460563.3	479122.7	460563.3	410071.6	341530.0	264517.5	184717.7	116873.6	68201.4
5°	410071.6	499061.7	572893.9	602889.8	572893.9	499061.7	410071.6	317353.4	226265.3	144686.4	82335.7
2.5°	460563.3	572893.9	681045.6	731307.7	681045.6	572893.9	460563.3	353651.8	253966.7	162198.1	91129.0
0°	479122.7	602889.8	731307.7	791446.7	731307.7	602889.8	479122.7	366532.4	263609.6	168188.7	94116.7
-2.5°	460563.3	572893.9	681045.6	731307.7	681045.6	572893.9	460563.3	353651.8	253966.7	162198.1	91129.0
-5°	410071.6	499061.7	572893.9	602889.8	572893.9	499061.7	410071.6	317353.4	226265.3	144686.4	82335.7
-7.5°	341530.0	410071.6	460563.3	479122.7	460563.3	410071.6	341530.0	264517.5	184717.7	116873.6	68201.4
-10°	264517.5	317353.4	353651.8	366532.4	353651.8	317353.4	264517.5	200778.8	139806.7	86065.6	50103.2
-12.5°	184717.7	226265.3	253966.7	263609.6	253966.7	226265.3	184717.7	139806.7	92260.1	60561.3	39592.0
-15°	116873.6	144686.4	162198.1	168188.7	162198.1	144686.4	116873.6	86065.6	60561.3	41999.4	29498.2
-17.5°	68201.4	82335.7	91129.0	94116.7	91129.0	82335.7	68201.4	50103.2	39592.0	29498.2	24355.7
-20°	40276.2	45999.1	49530.5	50725.0	49530.5	45999.1	40276.2	32573.1	27781.5	23546.1	20630.1



REPORT NUMBER: P1212214 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-57-90-1S-HEG

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	27140.0	29108.2	30315.7	30722.9	30315.7	29108.2	27140.0	24470.2	21954.1	19778.1	17619.9
-25°	21165.0	22158.7	22765.8	22970.0	22765.8	22158.7	21165.0	19809.2	18230.1	16699.4	15031.5
-27.5°	17343.4	18033.3	18453.4	18594.5	18453.4	18033.3	17343.4	16398.0	15216.7	14181.1	13000.4
-30°	14384.6	14846.5	15127.2	15221.3	15127.2	14846.5	14384.6	13749.3	12951.1	12172.0	11339.9
-32.5°	12144.9	12466.2	12661.0	12726.3	12661.0	12466.2	12144.9	11701.8	11143.2	10552.2	9955.5
-35°	10405.4	10633.3	10771.3	10817.5	10771.3	10633.3	10405.4	10090.4	9692.2	9242.3	8817.9
-37.5°	9042.8	9203.5	9300.6	9333.1	9300.6	9203.5	9042.8	8820.5	8538.7	8200.3	7942.9
-40°	8017.2	8112.3	8169.8	8189.0	8169.8	8112.3	8017.2	7885.3	7717.8	7516.3	7341.5
-42.5°	7347.6	7403.9	7437.9	7449.3	7437.9	7403.9	7347.6	7269.4	7169.9	7050.0	6855.3
-45°	6793.9	6892.3	6951.7	6971.5	6951.7	6892.3	6793.9	6657.1	6482.9	6272.6	6008.4
-47.5°	5807.9	5948.6	6033.4	6061.7	6033.4	5948.6	5807.9	5612.2	5362.8	5061.2	4709.1
-50°	4534.2	4595.1	4631.7	4644.0	4631.7	4595.1	4534.2	4449.4	4341.3	4210.3	4057.3
-52.5°	3890.6	3937.1	3965.1	3974.4	3965.1	3937.1	3890.6	3825.8	3743.1	3642.9	3525.6
-55°	3314.2	3370.5	3404.4	3415.7	3404.4	3370.5	3314.2	3235.8	3135.6	3014.1	2871.7
-57.5°	2591.6	2638.0	2665.9	2675.2	2665.9	2638.0	2591.6	2526.9	2444.2	2343.9	2226.2
-60°	1953.0	1981.7	1998.9	2004.7	1998.9	1981.7	1953.0	1913.1	1861.9	1799.8	1726.9
-62.5°	1512.3	1531.9	1543.8	1547.7	1543.8	1531.9	1512.3	1484.8	1449.7	1407.0	1356.9
-65°	1169.5	1186.4	1196.6	1200.0	1196.6	1186.4	1169.5	1145.9	1115.7	1079.0	1035.8
-67.5°	841.6	855.4	863.6	866.4	863.6	855.4	841.6	822.4	797.9	768.0	732.8
-70°	546.0	554.4	559.5	561.2	559.5	554.4	546.0	534.2	519.1	500.7	479.0
-72.5°	337.6	343.2	346.6	347.7	346.6	343.2	337.6	329.8	319.7	307.5	293.2
-75°	178.7	181.8	183.7	184.3	183.7	181.8	178.7	174.4	168.9	162.2	154.3
-77.5°	76.8	77.7	78.2	78.4	78.2	77.7	76.8	75.6	74.0	72.1	69.8
-80°	41.1	41.4	41.6	41.7	41.6	41.4	41.1	40.6	40.0	39.3	38.4
-82.5°	24.0	24.1	24.2	24.2	24.2	24.1	24.0	23.9	23.7	23.5	23.3
-85°	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.4	17.4	17.4	17.3
-87.5°	15.7	15.7	15.8	15.8	15.8	15.7	15.7	15.6	15.4	15.3	15.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1212214 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-57-90-1S-HEG

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	14.8	14.6	14.3	14.0	13.7	13.3	12.9	12.5	12.1	11.6	11.2
85°	17.3	17.2	17.2	17.1	17.0	17.0	16.9	16.8	16.7	16.6	16.5
82.5°	23.0	22.7	22.3	21.9	21.5	21.0	20.5	20.0	19.5	18.9	18.3
80°	37.4	36.3	35.1	33.7	32.2	30.7	28.9	27.1	25.2	23.8	23.0
77.5°	67.2	64.2	61.0	57.4	53.5	49.3	44.8	40.9	38.5	36.0	33.3
75°	145.2	134.9	123.6	111.1	97.6	83.0	74.6	68.8	62.8	56.4	49.7
72.5°	276.7	258.1	237.6	215.0	190.5	171.2	153.0	133.5	113.0	91.5	75.1
70°	454.2	426.3	395.3	361.4	330.0	299.7	267.3	232.9	196.6	167.6	141.7
67.5°	692.5	647.2	597.0	547.8	506.1	461.2	413.4	362.6	318.1	275.0	230.0
65°	986.4	930.8	869.2	807.3	740.5	668.8	592.3	526.2	466.4	403.6	340.4
62.5°	1299.5	1235.0	1165.2	1090.3	1009.3	922.4	832.8	743.0	648.5	553.0	480.7
60°	1643.5	1550.0	1470.7	1384.7	1291.6	1192.2	1090.3	982.6	869.2	760.4	647.2
57.5°	2091.7	1961.2	1847.7	1723.7	1589.9	1470.7	1354.7	1232.1	1107.3	978.1	845.6
55°	2709.1	2541.0	2359.1	2160.7	1965.2	1809.2	1643.5	1487.6	1348.1	1202.3	1056.9
52.5°	3384.1	3185.7	2967.1	2729.1	2491.9	2244.0	1988.6	1799.8	1602.0	1432.0	1269.1
50°	3898.1	3735.6	3556.7	3345.0	3067.9	2772.4	2480.0	2182.0	1913.1	1691.9	1482.9
47.5°	4485.6	4274.6	4042.8	3821.7	3596.4	3337.3	3001.4	2651.2	2317.7	1981.7	1737.1
45°	5574.7	5091.7	4605.4	4334.6	4044.4	3775.5	3504.3	3156.2	2763.4	2386.0	2004.7
42.5°	6554.2	6219.6	5737.5	5121.4	4558.3	4228.5	3896.8	3593.9	3234.3	2801.8	2386.0
40°	7170.6	6981.2	6596.4	6172.3	5529.1	4783.7	4340.4	3958.0	3624.0	3234.3	2763.4
37.5°	7657.2	7379.6	7157.6	6871.7	6388.6	5777.1	4945.9	4377.9	3958.0	3593.9	3156.2
35°	8340.7	7947.2	7578.5	7277.6	7007.2	6497.9	5860.4	4945.9	4340.4	3896.8	3504.3
32.5°	9297.6	8732.1	8145.0	7723.2	7338.4	7036.8	6497.9	5777.1	4783.7	4228.5	3775.5
30°	10502.0	9713.1	8971.6	8276.0	7771.9	7338.4	7007.2	6388.6	5529.1	4558.3	4044.4
27.5°	11933.6	10843.4	9929.6	9052.3	8276.0	7723.2	7277.6	6871.7	6172.3	5121.4	4334.6
25°	13616.2	12236.2	10989.0	9929.6	8971.6	8145.0	7578.5	7157.6	6596.4	5737.5	4605.4
22.5°	15553.0	13824.4	12236.2	10843.4	9713.1	8732.1	7947.2	7379.6	6981.2	6219.6	5091.7
20°	17932.2	15553.0	13616.2	11933.6	10502.0	9297.6	8340.7	7657.2	7170.6	6554.2	5574.7
17.5°	20630.1	17619.9	15031.5	13000.4	11339.9	9955.5	8817.9	7942.9	7341.5	6855.3	6008.4
15°	23546.1	19778.1	16699.4	14181.1	12172.0	10552.2	9242.3	8200.3	7516.3	7050.0	6272.6
12.5°	27781.5	21954.1	18230.1	15216.7	12951.1	11143.2	9692.2	8538.7	7717.8	7169.9	6482.9
10°	32573.1	24470.2	19809.2	16398.0	13749.3	11701.8	10090.4	8820.5	7885.3	7269.4	6657.1
7.5°	40276.2	27140.0	21165.0	17343.4	14384.6	12144.9	10405.4	9042.8	8017.2	7347.6	6793.9
5°	45999.1	29108.2	22158.7	18033.3	14846.5	12466.2	10633.3	9203.5	8112.3	7403.9	6892.3
2.5°	49530.5	30315.7	22765.8	18453.4	15127.2	12661.0	10771.3	9300.6	8169.8	7437.9	6951.7
0°	50725.0	30722.9	22970.0	18594.5	15221.3	12726.3	10817.5	9333.1	8189.0	7449.3	6971.5
-2.5°	49530.5	30315.7	22765.8	18453.4	15127.2	12661.0	10771.3	9300.6	8169.8	7437.9	6951.7
-5°	45999.1	29108.2	22158.7	18033.3	14846.5	12466.2	10633.3	9203.5	8112.3	7403.9	6892.3
-7.5°	40276.2	27140.0	21165.0	17343.4	14384.6	12144.9	10405.4	9042.8	8017.2	7347.6	6793.9
-10°	32573.1	24470.2	19809.2	16398.0	13749.3	11701.8	10090.4	8820.5	7885.3	7269.4	6657.1
-12.5°	27781.5	21954.1	18230.1	15216.7	12951.1	11143.2	9692.2	8538.7	7717.8	7169.9	6482.9
-15°	23546.1	19778.1	16699.4	14181.1	12172.0	10552.2	9242.3	8200.3	7516.3	7050.0	6272.6
-17.5°	20630.1	17619.9	15031.5	13000.4	11339.9	9955.5	8817.9	7942.9	7341.5	6855.3	6008.4
-20°	17932.2	15553.0	13616.2	11933.6	10502.0	9297.6	8340.7	7657.2	7170.6	6554.2	5574.7



REPORT NUMBER: P1212214 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	15553.0	13824.4	12236.2	10843.4	9713.1	8732.1	7947.2	7379.6	6981.2	6219.6	5091.7
-25°	13616.2	12236.2	10989.0	9929.6	8971.6	8145.0	7578.5	7157.6	6596.4	5737.5	4605.4
-27.5°	11933.6	10843.4	9929.6	9052.3	8276.0	7723.2	7277.6	6871.7	6172.3	5121.4	4334.6
-30°	10502.0	9713.1	8971.6	8276.0	7771.9	7338.4	7007.2	6388.6	5529.1	4558.3	4044.4
-32.5°	9297.6	8732.1	8145.0	7723.2	7338.4	7036.8	6497.9	5777.1	4783.7	4228.5	3775.5
-35°	8340.7	7947.2	7578.5	7277.6	7007.2	6497.9	5860.4	4945.9	4340.4	3896.8	3504.3
-37.5°	7657.2	7379.6	7157.6	6871.7	6388.6	5777.1	4945.9	4377.9	3958.0	3593.9	3156.2
-40°	7170.6	6981.2	6596.4	6172.3	5529.1	4783.7	4340.4	3958.0	3624.0	3234.3	2763.4
-42.5°	6554.2	6219.6	5737.5	5121.4	4558.3	4228.5	3896.8	3593.9	3234.3	2801.8	2386.0
-45°	5574.7	5091.7	4605.4	4334.6	4044.4	3775.5	3504.3	3156.2	2763.4	2386.0	2004.7
-47.5°	4485.6	4274.6	4042.8	3821.7	3596.4	3337.3	3001.4	2651.2	2317.7	1981.7	1737.1
-50°	3898.1	3735.6	3556.7	3345.0	3067.9	2772.4	2480.0	2182.0	1913.1	1691.9	1482.9
-52.5°	3384.1	3185.7	2967.1	2729.1	2491.9	2244.0	1988.6	1799.8	1602.0	1432.0	1269.1
-55°	2709.1	2541.0	2359.1	2160.7	1965.2	1809.2	1643.5	1487.6	1348.1	1202.3	1056.9
-57.5°	2091.7	1961.2	1847.7	1723.7	1589.9	1470.7	1354.7	1232.1	1107.3	978.1	845.6
-60°	1643.5	1550.0	1470.7	1384.7	1291.6	1192.2	1090.3	982.6	869.2	760.4	647.2
-62.5°	1299.5	1235.0	1165.2	1090.3	1009.3	922.4	832.8	743.0	648.5	553.0	480.7
-65°	986.4	930.8	869.2	807.3	740.5	668.8	592.3	526.2	466.4	403.6	340.4
-67.5°	692.5	647.2	597.0	547.8	506.1	461.2	413.4	362.6	318.1	275.0	230.0
-70°	454.2	426.3	395.3	361.4	330.0	299.7	267.3	232.9	196.6	167.6	141.7
-72.5°	276.7	258.1	237.6	215.0	190.5	171.2	153.0	133.5	113.0	91.5	75.1
-75°	145.2	134.9	123.6	111.1	97.6	83.0	74.6	68.8	62.8	56.4	49.7
-77.5°	67.2	64.2	61.0	57.4	53.5	49.3	44.8	40.9	38.5	36.0	33.3
-80°	37.4	36.3	35.1	33.7	32.2	30.7	28.9	27.1	25.2	23.8	23.0
-82.5°	23.0	22.7	22.3	21.9	21.5	21.0	20.5	20.0	19.5	18.9	18.3
-85°	17.3	17.2	17.2	17.1	17.0	17.0	16.9	16.8	16.7	16.6	16.5
-87.5°	14.8	14.6	14.3	14.0	13.7	13.3	12.9	12.5	12.1	11.6	11.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1212214 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-57-90-1S-HEG

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	10.7	10.2	9.6	9.1	8.5	7.9	7.3	6.7	6.0	5.4	4.7
85°	16.4	16.3	16.2	16.0	15.9	15.8	14.6	13.3	12.1	10.8	9.5
82.5°	17.7	17.4	17.2	17.0	16.8	16.6	16.4	16.3	16.0	15.8	14.2
80°	22.2	21.3	20.4	19.4	18.4	17.5	17.2	17.0	16.7	16.4	16.1
77.5°	30.6	27.7	24.7	23.2	22.0	20.8	19.5	18.2	17.3	17.0	16.6
75°	42.7	38.7	35.2	31.5	27.7	24.0	22.5	20.9	19.3	17.7	17.1
72.5°	67.0	58.5	49.7	41.2	36.8	32.2	27.6	23.7	21.8	19.9	18.0
70°	114.8	86.9	71.3	61.0	50.4	40.6	35.3	29.9	24.3	22.1	19.9
67.5°	183.6	152.1	119.6	86.0	69.1	56.8	44.3	36.9	30.6	24.3	21.8
65°	288.2	234.2	180.4	143.1	104.9	74.0	60.1	45.9	36.9	29.9	23.7
62.5°	405.5	332.4	270.9	207.7	157.4	114.3	75.6	60.1	44.3	35.3	27.6
60°	539.2	454.2	366.6	293.2	222.5	162.2	114.3	74.0	56.8	40.6	32.2
57.5°	718.0	586.1	483.7	386.1	300.6	222.5	157.4	104.9	69.1	50.4	36.8
55°	906.3	760.8	614.5	493.5	386.1	293.2	207.7	143.1	86.0	61.0	41.2
52.5°	1104.6	937.9	775.1	614.5	483.7	366.6	270.9	180.4	119.6	71.3	49.7
50°	1302.7	1120.5	937.9	760.8	586.1	454.2	332.4	234.2	152.1	86.9	58.5
47.5°	1499.9	1302.7	1104.6	906.3	718.0	539.2	405.5	288.2	183.6	114.8	67.0
45°	1737.1	1482.9	1269.1	1056.9	845.6	647.2	480.7	340.4	230.0	141.7	75.1
42.5°	1981.7	1691.9	1432.0	1202.3	978.1	760.4	553.0	403.6	275.0	167.6	91.5
40°	2317.7	1913.1	1602.0	1348.1	1107.3	869.2	648.5	466.4	318.1	196.6	113.0
37.5°	2651.2	2182.0	1799.8	1487.6	1232.1	982.6	743.0	526.2	362.6	232.9	133.5
35°	3001.4	2480.0	1988.6	1643.5	1354.7	1090.3	832.8	592.3	413.4	267.3	153.0
32.5°	3337.3	2772.4	2244.0	1809.2	1470.7	1192.2	922.4	668.8	461.2	299.7	171.2
30°	3596.4	3067.9	2491.9	1965.2	1589.9	1291.6	1009.3	740.5	506.1	330.0	190.5
27.5°	3821.7	3345.0	2729.1	2160.7	1723.7	1384.7	1090.3	807.3	547.8	361.4	215.0
25°	4042.8	3556.7	2967.1	2359.1	1847.7	1470.7	1165.2	869.2	597.0	395.3	237.6
22.5°	4274.6	3735.6	3185.7	2541.0	1961.2	1550.0	1235.0	930.8	647.2	426.3	258.1
20°	4485.6	3898.1	3384.1	2709.1	2091.7	1643.5	1299.5	986.4	692.5	454.2	276.7
17.5°	4709.1	4057.3	3525.6	2871.7	2226.2	1726.9	1356.9	1035.8	732.8	479.0	293.2
15°	5061.2	4210.3	3642.9	3014.1	2343.9	1799.8	1407.0	1079.0	768.0	500.7	307.5
12.5°	5362.8	4341.3	3743.1	3135.6	2444.2	1861.9	1449.7	1115.7	797.9	519.1	319.7
10°	5612.2	4449.4	3825.8	3235.8	2526.9	1913.1	1484.8	1145.9	822.4	534.2	329.8
7.5°	5807.9	4534.2	3890.6	3314.2	2591.6	1953.0	1512.3	1169.5	841.6	546.0	337.6
5°	5948.6	4595.1	3937.1	3370.5	2638.0	1981.7	1531.9	1186.4	855.4	554.4	343.2
2.5°	6033.4	4631.7	3965.1	3404.4	2665.9	1998.9	1543.8	1196.6	863.6	559.5	346.6
0°	6061.7	4644.0	3974.4	3415.7	2675.2	2004.7	1547.7	1200.0	866.4	561.2	347.7
-2.5°	6033.4	4631.7	3965.1	3404.4	2665.9	1998.9	1543.8	1196.6	863.6	559.5	346.6
-5°	5948.6	4595.1	3937.1	3370.5	2638.0	1981.7	1531.9	1186.4	855.4	554.4	343.2
-7.5°	5807.9	4534.2	3890.6	3314.2	2591.6	1953.0	1512.3	1169.5	841.6	546.0	337.6
-10°	5612.2	4449.4	3825.8	3235.8	2526.9	1913.1	1484.8	1145.9	822.4	534.2	329.8
-12.5°	5362.8	4341.3	3743.1	3135.6	2444.2	1861.9	1449.7	1115.7	797.9	519.1	319.7
-15°	5061.2	4210.3	3642.9	3014.1	2343.9	1799.8	1407.0	1079.0	768.0	500.7	307.5
-17.5°	4709.1	4057.3	3525.6	2871.7	2226.2	1726.9	1356.9	1035.8	732.8	479.0	293.2
-20°	4485.6	3898.1	3384.1	2709.1	2091.7	1643.5	1299.5	986.4	692.5	454.2	276.7



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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°	4274.6	3735.6	3185.7	2541.0	1961.2	1550.0	1235.0	930.8	647.2	426.3	258.1
-25°	4042.8	3556.7	2967.1	2359.1	1847.7	1470.7	1165.2	869.2	597.0	395.3	237.6
-27.5°	3821.7	3345.0	2729.1	2160.7	1723.7	1384.7	1090.3	807.3	547.8	361.4	215.0
-30°	3596.4	3067.9	2491.9	1965.2	1589.9	1291.6	1009.3	740.5	506.1	330.0	190.5
-32.5°	3337.3	2772.4	2244.0	1809.2	1470.7	1192.2	922.4	668.8	461.2	299.7	171.2
-35°	3001.4	2480.0	1988.6	1643.5	1354.7	1090.3	832.8	592.3	413.4	267.3	153.0
-37.5°	2651.2	2182.0	1799.8	1487.6	1232.1	982.6	743.0	526.2	362.6	232.9	133.5
-40°	2317.7	1913.1	1602.0	1348.1	1107.3	869.2	648.5	466.4	318.1	196.6	113.0
-42.5°	1981.7	1691.9	1432.0	1202.3	978.1	760.4	553.0	403.6	275.0	167.6	91.5
-45°	1737.1	1482.9	1269.1	1056.9	845.6	647.2	480.7	340.4	230.0	141.7	75.1
-47.5°	1499.9	1302.7	1104.6	906.3	718.0	539.2	405.5	288.2	183.6	114.8	67.0
-50°	1302.7	1120.5	937.9	760.8	586.1	454.2	332.4	234.2	152.1	86.9	58.5
-52.5°	1104.6	937.9	775.1	614.5	483.7	366.6	270.9	180.4	119.6	71.3	49.7
-55°	906.3	760.8	614.5	493.5	386.1	293.2	207.7	143.1	86.0	61.0	41.2
-57.5°	718.0	586.1	483.7	386.1	300.6	222.5	157.4	104.9	69.1	50.4	36.8
-60°	539.2	454.2	366.6	293.2	222.5	162.2	114.3	74.0	56.8	40.6	32.2
-62.5°	405.5	332.4	270.9	207.7	157.4	114.3	75.6	60.1	44.3	35.3	27.6
-65°	288.2	234.2	180.4	143.1	104.9	74.0	60.1	45.9	36.9	29.9	23.7
-67.5°	183.6	152.1	119.6	86.0	69.1	56.8	44.3	36.9	30.6	24.3	21.8
-70°	114.8	86.9	71.3	61.0	50.4	40.6	35.3	29.9	24.3	22.1	19.9
-72.5°	67.0	58.5	49.7	41.2	36.8	32.2	27.6	23.7	21.8	19.9	18.0
-75°	42.7	38.7	35.2	31.5	27.7	24.0	22.5	20.9	19.3	17.7	17.1
-77.5°	30.6	27.7	24.7	23.2	22.0	20.8	19.5	18.2	17.3	17.0	16.6
-80°	22.2	21.3	20.4	19.4	18.4	17.5	17.2	17.0	16.7	16.4	16.1
-82.5°	17.7	17.4	17.2	17.0	16.8	16.6	16.4	16.3	16.0	15.8	14.2
-85°	16.4	16.3	16.2	16.0	15.9	15.8	14.6	13.3	12.1	10.8	9.5
-87.5°	10.7	10.2	9.6	9.1	8.5	7.9	7.3	6.7	6.0	5.4	4.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.1	3.4	2.7	2.1	1.4	0.7	0.0
85°	8.2	6.8	5.5	4.1	2.8	1.4	0.0
82.5°	12.2	10.2	8.2	6.2	4.1	2.1	0.0
80°	15.9	13.6	10.9	8.2	5.5	2.7	0.0
77.5°	16.3	15.9	13.6	10.2	6.8	3.4	0.0
75°	16.7	16.3	15.9	12.2	8.2	4.1	0.0
72.5°	17.1	16.6	16.1	14.2	9.5	4.7	0.0
70°	17.7	17.0	16.4	15.8	10.8	5.4	0.0
67.5°	19.3	17.3	16.7	16.0	12.1	6.0	0.0
65°	20.9	18.2	17.0	16.3	13.3	6.7	0.0
62.5°	22.5	19.5	17.2	16.4	14.6	7.3	0.0
60°	24.0	20.8	17.5	16.6	15.8	7.9	0.0
57.5°	27.7	22.0	18.4	16.8	15.9	8.5	0.0
55°	31.5	23.2	19.4	17.0	16.0	9.1	0.0
52.5°	35.2	24.7	20.4	17.2	16.2	9.6	0.0
50°	38.7	27.7	21.3	17.4	16.3	10.2	0.0
47.5°	42.7	30.6	22.2	17.7	16.4	10.7	0.0
45°	49.7	33.3	23.0	18.3	16.5	11.2	0.0
42.5°	56.4	36.0	23.8	18.9	16.6	11.6	0.0
40°	62.8	38.5	25.2	19.5	16.7	12.1	0.0
37.5°	68.8	40.9	27.1	20.0	16.8	12.5	0.0
35°	74.6	44.8	28.9	20.5	16.9	12.9	0.0
32.5°	83.0	49.3	30.7	21.0	17.0	13.3	0.0
30°	97.6	53.5	32.2	21.5	17.0	13.7	0.0
27.5°	111.1	57.4	33.7	21.9	17.1	14.0	0.0
25°	123.6	61.0	35.1	22.3	17.2	14.3	0.0
22.5°	134.9	64.2	36.3	22.7	17.2	14.6	0.0
20°	145.2	67.2	37.4	23.0	17.3	14.8	0.0
17.5°	154.3	69.8	38.4	23.3	17.3	15.1	0.0
15°	162.2	72.1	39.3	23.5	17.4	15.3	0.0
12.5°	168.9	74.0	40.0	23.7	17.4	15.4	0.0
10°	174.4	75.6	40.6	23.9	17.4	15.6	0.0
7.5°	178.7	76.8	41.1	24.0	17.5	15.7	0.0
5°	181.8	77.7	41.4	24.1	17.5	15.7	0.0
2.5°	183.7	78.2	41.6	24.2	17.5	15.8	0.0
0°	184.3	78.4	41.7	24.2	17.5	15.8	0.0
-2.5°	183.7	78.2	41.6	24.2	17.5	15.8	0.0
-5°	181.8	77.7	41.4	24.1	17.5	15.7	0.0
-7.5°	178.7	76.8	41.1	24.0	17.5	15.7	0.0
-10°	174.4	75.6	40.6	23.9	17.4	15.6	0.0
-12.5°	168.9	74.0	40.0	23.7	17.4	15.4	0.0
-15°	162.2	72.1	39.3	23.5	17.4	15.3	0.0
-17.5°	154.3	69.8	38.4	23.3	17.3	15.1	0.0
-20°	145.2	67.2	37.4	23.0	17.3	14.8	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	134.9	64.2	36.3	22.7	17.2	14.6	0.0
-25°	123.6	61.0	35.1	22.3	17.2	14.3	0.0
-27.5°	111.1	57.4	33.7	21.9	17.1	14.0	0.0
-30°	97.6	53.5	32.2	21.5	17.0	13.7	0.0
-32.5°	83.0	49.3	30.7	21.0	17.0	13.3	0.0
-35°	74.6	44.8	28.9	20.5	16.9	12.9	0.0
-37.5°	68.8	40.9	27.1	20.0	16.8	12.5	0.0
-40°	62.8	38.5	25.2	19.5	16.7	12.1	0.0
-42.5°	56.4	36.0	23.8	18.9	16.6	11.6	0.0
-45°	49.7	33.3	23.0	18.3	16.5	11.2	0.0
-47.5°	42.7	30.6	22.2	17.7	16.4	10.7	0.0
-50°	38.7	27.7	21.3	17.4	16.3	10.2	0.0
-52.5°	35.2	24.7	20.4	17.2	16.2	9.6	0.0
-55°	31.5	23.2	19.4	17.0	16.0	9.1	0.0
-57.5°	27.7	22.0	18.4	16.8	15.9	8.5	0.0
-60°	24.0	20.8	17.5	16.6	15.8	7.9	0.0
-62.5°	22.5	19.5	17.2	16.4	14.6	7.3	0.0
-65°	20.9	18.2	17.0	16.3	13.3	6.7	0.0
-67.5°	19.3	17.3	16.7	16.0	12.1	6.0	0.0
-70°	17.7	17.0	16.4	15.8	10.8	5.4	0.0
-72.5°	17.1	16.6	16.1	14.2	9.5	4.7	0.0
-75°	16.7	16.3	15.9	12.2	8.2	4.1	0.0
-77.5°	16.3	15.9	13.6	10.2	6.8	3.4	0.0
-80°	15.9	13.6	10.9	8.2	5.5	2.7	0.0
-82.5°	12.2	10.2	8.2	6.2	4.1	2.1	0.0
-85°	8.2	6.8	5.5	4.1	2.8	1.4	0.0
-87.5°	4.1	3.4	2.7	2.1	1.4	0.7	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)