

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

(formerly Eaton)

Brand: EPHESUS

Report Number: P1306444 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS16-1200L-40-80-5L-A**

Issue Date: 2/3/2026

Test Information

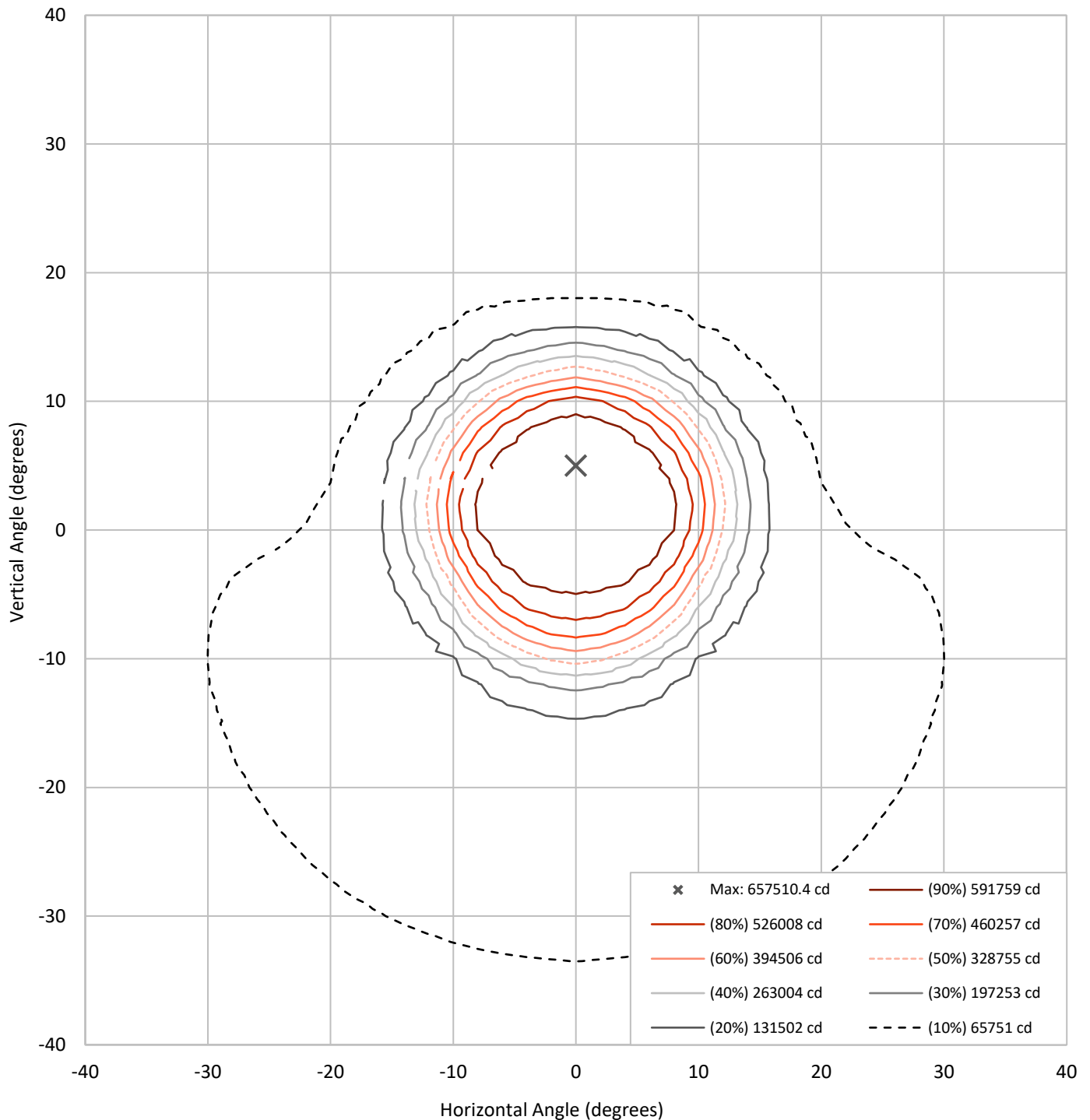
Test Method: LM-79-08
Report Number: P1306444 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-53)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS16-1200L-40-80-5L-A
Description: EPHEBUS LUMASPORT 16 LUMINAIRE
(16) 4000K, 80 CRI LEDS AND 5L BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 4V
Luminaire Lumens:	155414.2 lumens	Max Intensity:	657510.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 5°V
Efficacy:	120.5 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		
Beam Angle (50%):	23.3°H x 23°V	Field Angle (10%):	39.5°H x 51.6°V
Beam Lumens:	68971.6 lumens	Field Lumens:	126552.6 lumens
Beam Efficiency:	44.4%	Field Efficiency:	81.4%
Input Watts (W):	1290		
Input Voltage (V):	NR		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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CATALOG NUMBER: EPH-LS16-1200L-40-80-5L-A

Iso-Candela Plot





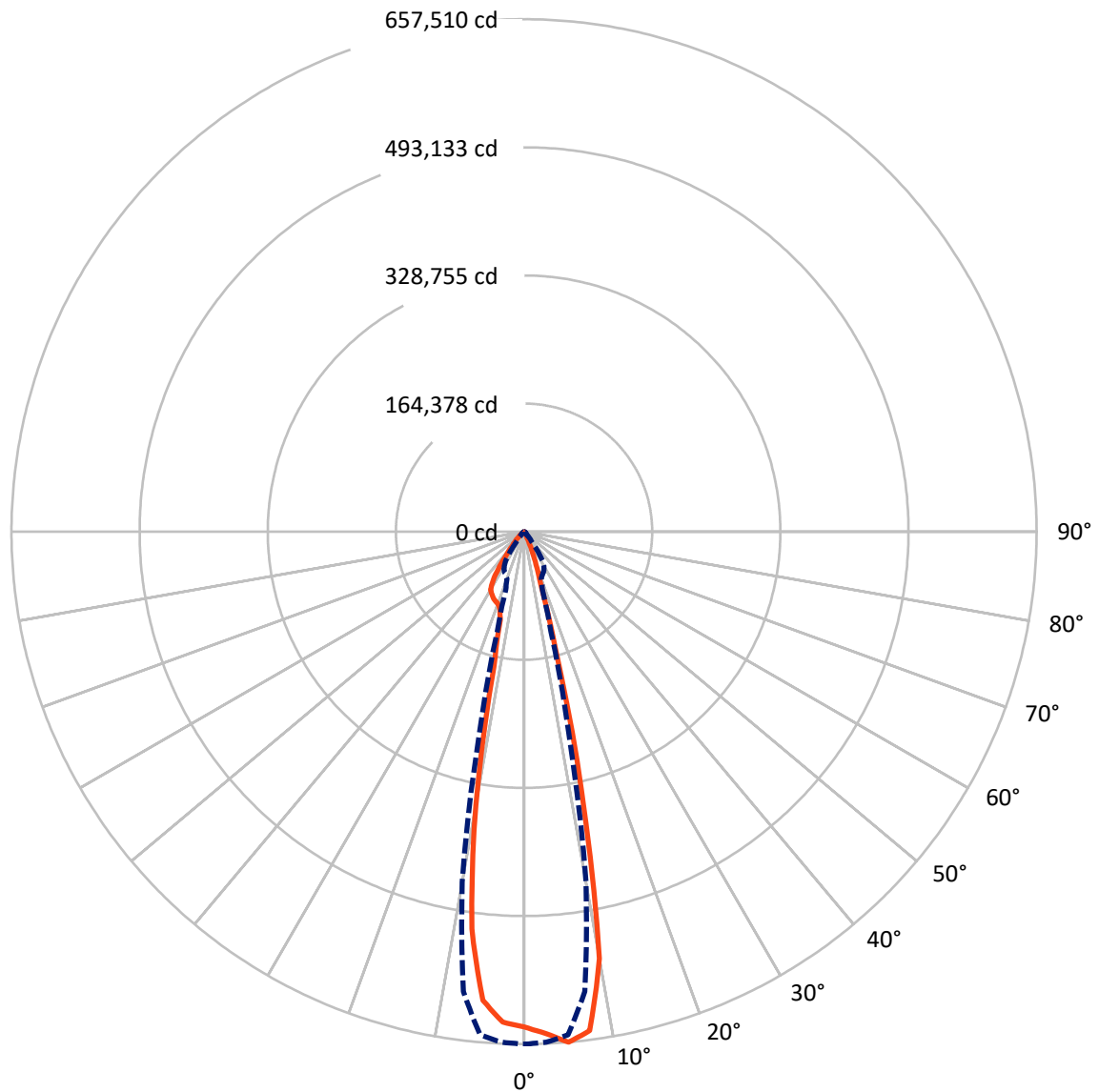
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Lumen Table

90	0.2	1.1		2.0		3.1		3.5		3.1		2.0		1.1		0.2
80	0.2	1.1		2.0		3.1		3.5		3.1		2.0		1.1		0.2
70	0.5	0.4	0.8	1.3	1.9	2.6	3.3	3.6	3.6	3.3	2.6	1.9	1.3	0.8	0.4	0.5
60		0.6	1.3	2.3	3.8	6.0	10.3	19.1	19.1	10.3	6.0	3.8	2.3	1.3	0.6	
50	0.7	0.9	2.0	4.2	8.7	16.2	26.5	40.9	40.9	26.5	16.2	8.7	4.2	2.0	0.9	0.7
40		1.1	3.1	8.5	18.8	34.1	66.2	87.5	87.5	66.2	34.1	18.8	8.5	3.1	1.1	
30	0.9	1.4	4.9	19.7	62.1	265.5	392.8	480.8	480.8	392.8	265.5	62.1	19.7	4.9	1.4	0.9
20		1.7	8.3	49.8	341.4	1006.8	1736.4	5051.2	5051.2	1736.4	1006.8	341.4	49.8	8.3	1.7	
10	1.1	2.0	13.0	105.8	750.4	1587.4	5018.6	17596.5	17596.5	5018.6	1587.4	750.4	105.8	13.0	2.0	1.1
0		2.2	15.9	138.4	940.7	1905.9	4214.8	14807.9	14807.9	4214.8	1905.9	940.7	138.4	15.9	2.2	
-10	1.0	2.1	12.9	111.0	748.7	2078.5	2620.0	4005.5	4005.5	2620.0	2078.5	748.7	111.0	12.9	2.1	1.0
-20		1.8	7.9	58.4	356.1	1437.0	2447.5	2765.7	2765.7	2447.5	1437.0	356.1	58.4	7.9	1.8	
-30	0.7	1.4	4.3	19.2	130.6	469.9	1078.9	1564.0	1564.0	1078.9	469.9	130.6	19.2	4.3	1.4	0.7
-40		1.0	2.5	6.0	26.8	110.9	248.4	357.8	357.8	248.4	110.9	26.8	6.0	2.5	1.0	
-50	0.5	0.7	1.6	3.0	5.4	12.1	28.4	41.8	41.8	28.4	12.1	5.4	3.0	1.6	0.7	0.5
-60		0.4	0.9	1.6	2.4	3.4	4.5	5.2	5.2	4.5	3.4	2.4	1.6	0.9	0.4	
-70	0.2	1.0		2.2		3.5		4.0		3.5		2.2		1.0		0.2
-80		1.0		2.2		3.5		4.0		3.5		2.2		1.0		
-90	0.2	1.0		2.2		3.5		4.0		3.5		2.2		1.0		0.2

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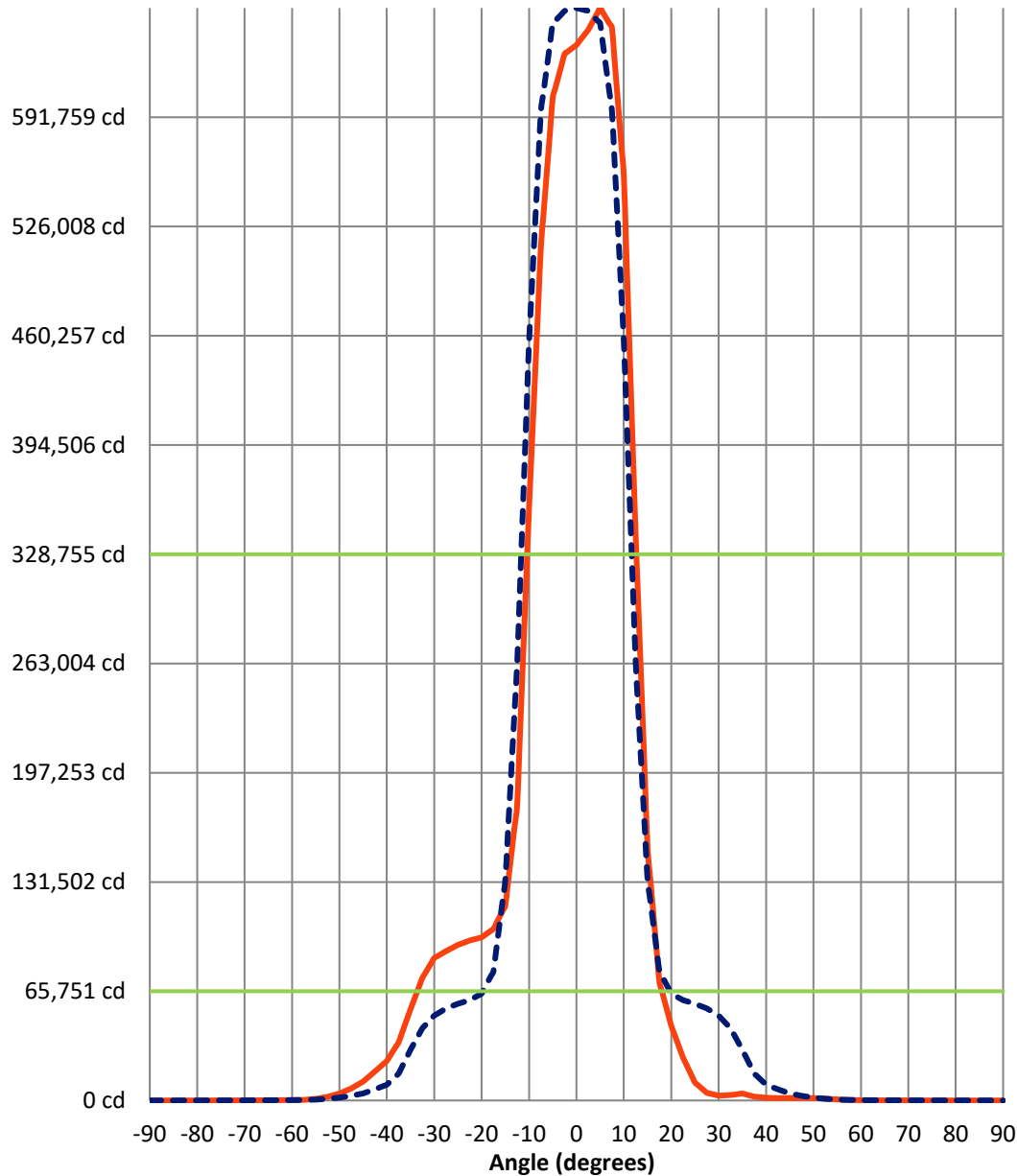
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 5-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 23.3°
 V Angle: 23°
 Lumens: 68971.6
 Efficiency: 44.4%

Field:
 H Angle: 39.5°
 V Angle: 51.6°
 Lumens: 126552.6
 Efficiency: 81.4%

Spill:
 Lumens: 28861.6
 Efficiency: 18.6%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 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°	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	2.8	3.5	4.1	4.7	5.3	5.9	6.4
85°	0.0	1.4	2.8	4.2	5.5	6.9	8.3	9.5	10.6	11.7	12.8
82.5°	0.0	2.1	4.2	6.2	8.3	10.4	12.4	14.2	15.6	15.9	16.1
80°	0.0	2.8	5.5	8.3	11.1	13.8	16.1	16.5	16.9	17.2	17.6
77.5°	0.0	3.5	6.9	10.4	13.8	16.3	17.0	17.6	18.1	18.6	19.2
75°	0.0	4.1	8.3	12.4	16.1	17.0	17.9	18.7	19.3	20.2	21.1
72.5°	0.0	4.8	9.6	14.4	16.7	17.8	18.8	19.8	20.9	21.9	22.9
70°	0.0	5.5	10.9	16.1	17.3	18.5	19.7	21.1	22.3	23.6	25.0
67.5°	0.0	6.1	12.2	16.5	17.9	19.2	20.8	22.4	23.8	25.5	27.2
65°	0.0	6.8	13.5	17.0	18.5	20.0	21.9	23.7	25.5	27.4	29.5
62.5°	0.0	7.4	14.8	17.4	19.0	20.9	23.0	25.1	27.2	29.4	32.2
60°	0.0	8.0	16.0	17.8	19.6	21.8	24.0	26.5	28.9	31.7	34.8
57.5°	0.0	8.6	16.3	18.2	20.2	22.6	25.2	27.9	30.7	33.9	38.4
55°	0.0	9.2	16.5	18.6	20.9	23.4	26.4	29.3	32.6	36.4	42.4
52.5°	0.0	9.7	16.8	19.0	21.5	24.3	27.6	30.9	34.4	40.0	46.3
50°	0.0	10.3	17.0	19.3	22.1	25.3	28.8	32.4	36.5	43.5	52.6
47.5°	0.0	10.8	17.3	19.7	22.7	26.2	29.9	34.0	39.6	46.9	59.0
45°	0.0	11.3	17.5	20.1	23.3	27.1	31.2	35.5	42.7	52.3	65.0
42.5°	0.0	11.8	17.7	20.5	23.8	28.1	32.5	37.6	45.8	57.6	71.3
40°	0.0	12.3	17.9	20.9	24.5	28.9	33.7	40.2	49.3	62.5	77.5
37.5°	0.0	12.7	18.1	21.3	25.1	29.8	34.9	42.8	53.7	67.8	83.5
35°	0.0	13.1	18.3	21.6	25.8	30.7	36.0	45.2	58.0	73.2	88.9
32.5°	0.0	13.5	18.5	22.0	26.4	31.6	37.4	47.6	62.1	78.4	93.2
30°	0.0	13.9	18.6	22.3	26.9	32.4	39.3	50.1	65.9	83.3	97.4
27.5°	0.0	14.2	18.8	22.6	27.5	33.2	41.1	53.2	69.7	87.8	101.4
25°	0.0	14.5	18.9	22.8	28.0	34.0	42.7	56.2	73.5	91.5	105.4
22.5°	0.0	14.8	19.1	23.1	28.4	34.7	44.3	58.9	77.0	94.7	110.6
20°	0.0	15.0	19.2	23.3	28.8	35.3	45.8	61.4	80.1	97.7	115.4
17.5°	0.0	15.3	19.3	23.5	29.1	35.9	47.1	63.7	83.0	100.6	119.9
15°	0.0	15.5	19.4	23.6	29.4	36.4	48.2	65.7	85.6	103.2	124.0
12.5°	0.0	15.6	19.4	23.8	29.7	36.9	49.2	67.4	88.0	105.5	127.6
10°	0.0	15.8	19.5	23.9	29.9	37.3	50.0	68.9	90.4	108.4	131.6
7.5°	0.0	15.9	19.5	24.0	30.1	37.7	50.6	70.1	92.6	111.1	136.9
5°	0.0	15.9	19.5	24.0	30.1	37.7	50.6	70.1	92.6	111.1	136.9
2.5°	0.0	16.0	19.6	24.1	30.3	38.2	51.5	71.8	95.9	115.8	146.6
0°	0.0	16.0	19.6	24.1	30.3	38.3	51.7	72.2	97.1	117.6	150.6
-2.5°	0.0	16.0	19.6	24.1	30.3	38.4	51.7	72.3	97.4	118.7	153.8
-5°	0.0	15.9	19.6	24.0	30.2	38.3	51.6	72.2	97.3	119.4	156.1
-7.5°	0.0	15.9	19.5	24.0	30.1	38.2	51.4	71.8	96.8	119.7	157.5
-10°	0.0	15.8	19.5	23.9	29.9	38.0	50.9	71.0	95.8	119.4	157.9
-12.5°	0.0	15.6	19.4	23.8	29.7	37.8	50.3	70.0	94.5	118.5	154.9
-15°	0.0	15.5	19.4	23.6	29.4	37.4	49.6	68.6	92.6	116.4	150.0
-17.5°	0.0	15.3	19.3	23.5	29.1	36.9	48.7	67.0	90.4	114.0	144.6
-20°	0.0	15.0	19.2	23.3	28.8	36.4	47.7	65.0	87.7	111.2	138.6



REPORT NUMBER: P1306444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200L-40-80-5L-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	14.8	19.1	23.1	28.4	35.7	46.4	62.7	84.6	108.1	132.1
-25°	0.0	14.5	18.9	22.8	28.0	35.0	45.0	60.0	81.2	104.7	125.3
-27.5°	0.0	14.2	18.8	22.6	27.5	34.1	43.5	57.1	77.3	100.8	120.8
-30°	0.0	13.9	18.6	22.3	26.9	33.1	41.9	53.8	73.4	96.0	116.3
-32.5°	0.0	13.5	18.5	22.0	26.4	32.0	40.1	51.4	69.4	90.8	111.5
-35°	0.0	13.1	18.3	21.6	25.8	30.9	38.5	49.1	65.0	85.1	106.5
-37.5°	0.0	12.7	18.1	21.3	25.1	29.8	37.1	46.7	60.2	79.1	100.0
-40°	0.0	12.3	17.9	20.9	24.5	28.9	35.5	44.2	55.1	73.1	92.6
-42.5°	0.0	11.8	17.7	20.5	23.8	28.1	33.8	41.5	51.3	66.9	84.8
-45°	0.0	11.3	17.5	20.1	23.3	27.1	32.0	39.0	48.1	60.3	76.7
-47.5°	0.0	10.8	17.3	19.7	22.7	26.2	30.0	36.7	44.7	53.4	69.0
-50°	0.0	10.3	17.0	19.3	22.0	25.3	28.8	34.3	41.2	49.4	60.9
-52.5°	0.0	9.7	16.8	18.9	21.4	24.3	27.6	31.8	38.0	45.3	53.0
-55°	0.0	9.2	16.5	18.5	20.7	23.4	26.4	29.3	34.9	41.1	48.3
-57.5°	0.0	8.6	16.3	18.1	20.0	22.5	25.2	27.9	31.6	37.2	43.4
-60°	0.0	8.0	16.0	17.7	19.2	21.5	24.0	26.5	28.6	33.3	38.7
-62.5°	0.0	7.4	14.8	17.2	18.7	20.5	22.8	25.0	26.9	29.3	34.1
-65°	0.0	6.8	13.5	16.8	18.1	19.5	21.5	23.5	25.2	26.9	29.4
-67.5°	0.0	6.1	12.2	16.3	17.5	18.6	20.2	22.0	23.5	25.0	26.4
-70°	0.0	5.5	10.9	15.9	16.9	17.9	18.9	20.5	21.8	23.0	24.3
-72.5°	0.0	4.8	9.6	14.2	16.3	17.1	18.0	18.9	20.1	21.2	22.1
-75°	0.0	4.1	8.3	12.2	15.7	16.4	17.1	17.8	18.5	19.4	20.2
-77.5°	0.0	3.5	6.9	10.2	13.4	15.6	16.2	16.7	17.2	17.7	18.3
-80°	0.0	2.8	5.5	8.2	10.8	13.2	15.2	15.6	16.0	16.4	16.7
-82.5°	0.0	2.1	4.2	6.2	8.1	9.9	11.7	13.4	14.8	15.0	15.2
-85°	0.0	1.4	2.8	4.1	5.4	6.6	7.8	9.0	10.0	11.1	12.1
-87.5°	0.0	0.7	1.4	2.1	2.7	3.3	3.9	4.5	5.0	5.5	6.0
-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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 CATALOG NUMBER: EPH-LS16-1200L-40-80-5L-A

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°	6.9	7.3	7.8	8.2	8.6	8.9	9.2	9.5	9.5	9.6	9.6
85°	13.8	14.7	14.8	14.8	14.8	14.7	14.6	14.5	14.2	13.9	13.6
82.5°	16.3	16.5	16.7	16.8	16.8	16.7	16.6	16.5	16.4	16.2	16.1
80°	17.9	18.3	18.7	19.1	19.3	19.3	19.2	19.1	19.0	19.1	19.4
77.5°	19.8	20.5	21.1	21.7	22.0	22.3	22.6	23.0	23.5	23.9	24.4
75°	21.9	22.7	23.7	24.6	25.3	25.9	26.7	27.9	29.2	30.7	32.2
72.5°	24.1	25.3	26.4	27.6	29.2	30.8	32.4	34.1	36.1	38.2	40.1
70°	26.5	27.9	29.8	31.9	34.0	36.2	38.8	41.3	43.7	46.3	49.4
67.5°	28.9	31.3	33.7	36.4	39.7	42.8	45.8	50.2	54.3	57.9	61.2
65°	32.0	34.7	38.3	42.1	45.9	51.2	56.4	61.3	66.0	70.2	74.0
62.5°	35.1	39.2	43.6	48.9	55.4	61.4	67.1	72.6	77.9	81.7	85.1
60°	39.3	44.1	50.6	58.3	65.2	71.6	77.8	82.9	87.4	91.7	98.1
57.5°	43.7	50.8	59.7	67.6	74.7	81.2	86.6	91.8	99.2	106.6	114.3
55°	49.3	59.3	68.4	76.5	83.5	89.1	95.8	104.8	113.4	124.0	134.2
52.5°	56.8	67.5	76.7	84.6	90.7	98.6	108.6	120.0	132.4	145.2	162.2
50°	64.1	75.0	84.5	91.0	99.5	110.6	124.2	138.8	155.6	174.3	194.5
47.5°	71.1	82.6	90.1	98.2	110.7	125.5	142.3	161.6	182.0	206.8	229.4
45°	78.1	88.5	95.8	108.5	123.7	142.5	164.6	185.3	214.8	243.7	279.3
42.5°	85.0	93.9	104.8	118.6	139.4	163.6	189.0	219.0	251.4	291.0	348.2
40°	90.1	99.3	114.2	133.4	156.8	187.7	221.2	255.8	295.1	359.4	436.0
37.5°	95.0	107.7	124.5	148.4	180.0	216.2	254.6	300.6	362.6	439.9	543.2
35°	99.9	115.7	138.4	167.3	203.8	247.5	296.5	358.3	450.2	547.6	650.3
32.5°	106.0	123.5	152.3	188.8	232.1	281.5	339.2	445.3	568.5	682.9	761.0
30°	112.7	135.4	167.6	209.7	260.1	321.9	414.4	545.6	708.6	849.3	944.3
27.5°	119.2	147.4	185.9	233.2	289.6	363.3	513.3	687.1	877.5	1046.3	1173.2
25°	125.5	158.6	203.4	257.1	326.7	444.1	637.6	868.1	1077.1	1291.2	1481.6
22.5°	133.1	168.9	218.8	279.8	363.8	546.4	807.5	1100.3	1377.6	1598.4	1852.4
20°	141.6	181.7	235.2	302.6	402.2	655.5	990.9	1367.9	1752.5	2160.0	2645.0
17.5°	149.3	193.3	251.9	336.6	494.3	799.5	1191.8	1662.3	2178.9	2879.4	3939.9
15°	156.2	203.8	267.2	373.0	599.8	984.3	1477.8	2044.9	2747.6	3829.5	5477.5
12.5°	162.2	213.0	280.9	410.6	707.1	1175.0	1799.0	2559.7	3602.1	5146.7	8528.8
10°	167.3	221.0	293.0	448.2	813.2	1366.3	2136.2	3115.3	4609.4	6660.0	11441.8
7.5°	175.4	229.2	304.4	484.4	914.7	1552.3	2476.9	3690.3	5666.9	8130.3	14034.2
5°	183.4	237.5	319.8	535.0	1022.4	1743.5	2813.4	4260.6	6726.4	9527.0	16279.5
2.5°	190.6	244.2	333.4	585.0	1127.2	1944.3	3149.3	4785.3	7615.0	10808.8	18306.7
0°	196.9	249.5	344.9	629.1	1216.4	2120.9	3445.1	5251.3	8369.4	11953.4	20078.6
-2.5°	202.6	256.5	359.9	660.4	1256.6	2214.6	3606.9	5552.2	8726.1	12543.1	21148.0
-5°	207.1	262.2	371.5	681.2	1275.9	2268.7	3707.0	5754.9	8884.8	12851.1	21550.1
-7.5°	210.2	266.3	379.1	686.5	1249.6	2200.9	3605.4	5621.7	8671.3	12762.3	21184.1
-10°	210.9	266.6	383.1	659.2	1167.7	2046.1	3401.8	5372.7	8285.0	12356.4	20100.4
-12.5°	204.9	262.6	380.4	626.6	1072.7	1858.0	3123.7	5002.2	7721.3	11598.7	18183.2
-15°	197.6	256.0	369.6	590.1	967.0	1638.0	2768.1	4504.3	6987.1	10486.4	15351.4
-17.5°	189.0	246.8	349.7	551.3	852.6	1388.0	2334.9	3906.6	6216.3	9433.8	13838.9
-20°	179.2	234.6	319.8	511.4	743.1	1172.9	2000.7	3389.2	5450.1	8304.1	12093.2



REPORT NUMBER: P1306444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200L-40-80-5L-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	168.1	219.4	291.1	475.3	663.6	1002.2	1658.0	2784.7	4514.9	6964.6	10321.5
-25°	158.0	205.9	273.1	406.7	577.2	818.1	1276.0	2139.7	3632.3	5843.8	8746.9
-27.5°	149.4	191.2	247.1	339.5	489.1	648.8	1008.0	1693.1	2853.1	4570.8	7039.9
-30°	140.6	174.5	219.8	283.2	411.1	550.2	783.4	1228.5	2085.3	3518.2	5504.4
-32.5°	131.3	158.2	197.9	251.8	339.6	451.7	584.2	925.7	1543.6	2479.7	4008.0
-35°	123.0	147.4	179.2	219.3	275.1	371.2	480.6	656.5	1033.2	1758.1	2890.0
-37.5°	116.9	136.3	160.9	192.0	238.9	303.4	377.0	488.2	718.3	1123.6	2012.4
-40°	110.6	125.0	147.1	172.7	203.4	250.7	310.7	372.7	474.8	790.4	1254.6
-42.5°	104.0	117.9	134.6	154.2	179.8	214.0	252.5	299.9	366.0	511.2	831.1
-45°	94.9	110.8	122.8	140.3	159.6	183.4	215.6	246.9	294.9	362.2	517.9
-47.5°	85.4	102.8	115.1	126.2	142.2	161.0	182.9	212.8	244.9	287.7	330.7
-50°	75.8	92.0	107.0	116.1	127.1	141.2	158.5	180.8	207.9	237.0	271.9
-52.5°	66.6	80.8	95.4	107.3	115.3	125.2	138.3	155.1	175.5	197.2	223.3
-55°	57.0	70.1	83.0	95.7	105.9	112.9	121.7	134.5	147.6	166.0	183.7
-57.5°	50.1	59.3	71.0	82.5	93.5	102.9	109.6	116.8	127.7	139.5	151.7
-60°	44.6	50.7	59.2	69.7	79.8	89.2	97.6	104.3	110.8	117.6	127.5
-62.5°	39.2	44.6	50.1	57.0	66.3	74.9	82.7	90.0	96.7	102.4	108.1
-65°	33.9	38.6	43.4	48.3	53.0	60.6	68.0	74.6	80.8	86.5	91.9
-67.5°	28.4	32.6	36.8	41.1	45.3	49.4	53.4	59.7	65.3	70.4	75.0
-70°	25.6	27.0	30.1	33.8	37.5	40.9	44.4	47.8	51.2	54.8	59.0
-72.5°	23.2	24.4	25.5	26.7	29.7	32.9	35.7	38.3	41.0	43.8	46.4
-75°	21.0	21.8	22.8	23.7	24.7	26.0	27.6	30.1	32.2	34.3	36.2
-77.5°	18.9	19.6	20.2	20.8	21.2	21.9	22.8	23.8	24.9	26.0	27.2
-80°	17.0	17.4	17.8	18.2	18.4	18.6	18.8	18.9	19.0	19.3	19.9
-82.5°	15.4	15.6	15.8	15.9	15.9	15.8	15.7	15.7	15.8	15.9	15.9
-85°	13.0	13.8	13.9	13.9	13.9	13.8	13.7	13.6	13.4	13.3	13.1
-87.5°	6.5	6.9	7.3	7.7	8.0	8.3	8.6	8.8	8.9	8.9	8.8
-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: P1306444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200L-40-80-5L-A

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°	9.5	9.2	8.9	8.5	8.1	7.6	7.1	6.6	6.0	5.2	4.4
85°	13.3	12.8	12.3	11.7	11.1	10.5	9.9	9.3	8.7	8.5	8.3
82.5°	15.9	15.5	15.1	14.6	14.2	14.3	14.6	14.9	15.3	15.5	15.7
80°	19.6	19.8	20.0	20.3	20.7	21.7	22.6	23.5	24.4	24.9	25.2
77.5°	25.1	26.3	27.5	28.7	29.7	30.9	32.0	33.0	33.9	34.4	34.8
75°	33.7	35.2	36.6	38.0	39.3	40.6	41.9	43.0	44.0	44.7	45.3
72.5°	41.8	43.5	45.4	47.8	50.0	52.1	54.1	55.9	57.7	58.9	59.8
70°	52.1	54.7	57.6	60.3	62.8	65.2	67.7	70.0	72.1	73.6	74.7
67.5°	64.4	67.4	70.6	73.4	76.0	78.8	81.9	84.9	87.7	89.7	90.8
65°	77.3	79.9	83.3	86.6	90.0	94.6	99.5	103.8	107.8	110.8	112.6
62.5°	88.5	92.9	98.6	104.4	110.1	115.9	121.9	127.4	132.4	136.5	139.1
60°	104.3	110.2	118.1	126.0	133.3	140.0	148.9	157.0	164.2	170.2	175.0
57.5°	123.4	132.2	141.7	153.2	164.1	174.3	186.4	202.1	219.5	238.6	265.8
55°	147.1	160.6	172.4	187.1	203.0	219.2	239.4	273.8	312.5	354.0	423.8
52.5°	178.1	194.3	208.8	227.8	256.9	285.2	315.2	378.4	449.3	523.4	655.4
50°	213.6	234.5	262.2	290.8	336.9	386.3	433.6	520.5	621.0	722.7	882.6
47.5°	260.5	292.0	340.3	390.2	449.2	516.2	582.6	678.1	786.1	884.9	1020.2
45°	323.0	385.2	445.9	510.5	578.9	659.2	733.2	813.8	912.2	994.0	1088.9
42.5°	417.5	495.2	570.4	643.3	722.0	800.0	870.6	944.9	1024.4	1099.0	1178.2
40°	528.2	613.7	691.8	770.9	834.3	906.9	974.4	1043.7	1132.8	1239.0	1334.1
37.5°	640.3	722.3	794.0	865.8	925.0	975.5	1089.2	1205.5	1315.7	1575.3	1807.6
35°	751.6	831.1	885.8	957.6	1043.3	1159.9	1345.1	1658.5	1938.4	2468.4	2997.3
32.5°	867.2	952.9	1017.8	1126.0	1278.1	1657.6	1926.9	2719.0	3400.1	3662.8	3555.6
30°	996.3	1109.3	1287.5	1496.7	2058.1	2955.3	3668.4	3993.0	3827.3	3398.7	3422.4
27.5°	1253.8	1413.4	1817.1	2862.3	4278.6	5807.9	6120.3	5294.7	5616.5	4618.5	5311.3
25°	1695.6	1995.7	3663.6	6490.9	8919.1	9906.0	10654.0	10102.0	10816.9	10846.7	11466.5
22.5°	2453.5	4349.4	7622.5	12211.1	15076.5	16609.3	17550.1	18585.3	19712.6	21390.9	22454.7
20°	3908.0	7455.2	14113.3	18996.0	22327.8	24465.4	26188.4	28465.0	31049.3	34205.3	36739.0
17.5°	7155.9	13539.5	20946.2	26218.4	29851.1	32940.2	35653.5	38791.7	42756.7	47728.9	52640.3
15°	10752.5	20178.4	27824.6	33203.2	37339.6	40954.2	44581.7	48370.0	53714.1	61625.1	73169.7
12.5°	15941.7	26557.0	34717.8	39968.1	44479.5	48007.7	51586.7	56528.4	64490.8	76476.0	122500.6
10°	21296.1	32633.0	40643.2	45838.1	50059.2	53514.2	56955.0	62100.6	76982.8	124048.5	215517.6
7.5°	26146.4	38273.6	46056.7	51065.7	54676.4	57372.3	61067.7	70796.2	104047.0	184143.5	345470.6
5°	30523.5	43486.3	51063.3	55413.5	58212.4	60414.7	64324.3	77850.5	132920.6	263279.0	456432.3
2.5°	33890.8	47789.5	55554.6	59115.0	61145.0	63018.5	67045.0	81925.6	146068.6	303777.9	506644.9
0°	35825.5	50482.6	59023.9	62115.2	63778.9	65415.0	69667.4	85152.3	147543.8	284270.8	488336.6
-2.5°	37456.5	52957.5	62085.3	65157.9	66594.4	67875.9	71820.7	86248.4	132353.9	230348.0	417599.0
-5°	37765.4	54084.0	64160.6	67926.0	69333.5	70377.6	73264.4	84806.5	115431.2	169753.9	300663.5
-7.5°	36722.1	53815.1	65477.4	70512.8	72173.6	73191.5	75293.3	82196.1	98744.0	127023.4	201602.2
-10°	34388.6	52064.8	65877.0	72836.1	75255.3	76368.7	77559.1	80253.3	88258.2	104370.5	126311.7
-12.5°	30442.9	48346.2	65129.4	74838.2	78029.7	79466.8	80667.3	82553.9	85775.4	91144.8	104333.7
-15°	25676.8	43009.1	60713.2	72962.0	79306.8	82152.1	83887.4	84779.2	86388.8	89613.2	94716.5
-17.5°	22041.1	36006.4	53470.6	69545.0	79314.7	83432.3	85683.2	87473.3	88621.2	90650.1	92679.6
-20°	17690.5	27771.5	44578.5	61227.8	74342.4	82750.1	86204.6	88438.3	90383.9	91746.8	93283.8



REPORT NUMBER: P1306444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200L-40-80-5L-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	14844.1	22560.0	34321.2	50585.8	65884.3	76760.6	84533.5	87430.7	89876.8	91363.8	92725.4
-25°	12412.3	17217.2	26000.4	38764.8	53792.1	67177.8	76943.5	84248.7	87236.7	89319.5	90608.8
-27.5°	10203.4	14265.2	19436.3	28195.8	40372.7	53254.4	64812.2	74933.9	80586.9	85700.4	87039.4
-30°	8071.7	11482.6	15636.9	20467.9	28361.4	37699.5	48826.0	58852.7	67734.6	74715.2	78522.2
-32.5°	6291.4	9005.7	12381.7	16162.0	19911.0	26304.5	32406.9	41609.7	49832.8	57068.5	63178.5
-35°	4555.9	6827.5	9387.2	12435.9	15536.6	18918.6	22847.3	28094.5	32808.9	38814.4	44477.7
-37.5°	3204.6	4840.1	6879.4	9109.8	11717.7	14264.7	16987.2	19747.3	22326.7	26041.6	29199.5
-40°	2152.0	3227.9	4709.5	6347.4	8391.7	10363.1	12524.4	14518.7	16425.2	18412.2	20131.3
-42.5°	1301.7	2071.6	2946.5	4184.0	5550.8	7064.0	8747.3	10326.0	11701.0	13060.7	14300.2
-45°	776.7	1212.9	1739.5	2540.0	3353.2	4497.6	5636.1	6674.8	7817.1	8810.6	9635.9
-47.5°	480.1	654.0	1002.9	1408.0	1922.2	2648.2	3356.7	4035.2	4836.8	5552.3	6144.2
-50°	312.4	389.5	550.7	726.2	1054.1	1432.4	1808.7	2245.7	2739.7	3176.6	3525.7
-52.5°	247.8	283.4	321.1	383.7	542.4	714.1	892.9	1153.3	1416.0	1656.0	1841.4
-55°	204.1	225.5	245.5	276.5	310.4	343.3	396.9	531.7	656.8	770.7	858.4
-57.5°	167.3	182.7	198.9	217.1	235.3	253.0	277.8	307.0	335.2	360.4	367.7
-60°	137.1	146.4	159.7	172.9	185.0	196.2	213.6	230.7	246.4	259.6	267.1
-62.5°	113.5	120.5	129.1	137.7	146.1	155.2	166.6	178.1	189.4	200.0	208.7
-65°	96.7	101.2	106.0	110.9	115.9	122.7	130.1	137.1	143.7	149.8	155.2
-67.5°	79.4	83.5	87.2	90.7	94.2	98.0	102.3	106.5	110.5	114.0	117.0
-70°	62.9	66.2	69.0	71.4	74.0	76.8	79.7	82.3	84.6	86.3	87.7
-72.5°	48.7	51.0	53.3	55.9	57.9	59.9	61.8	63.5	64.9	65.8	66.5
-75°	38.0	39.9	41.9	43.8	45.4	46.9	48.2	49.5	50.7	51.4	51.8
-77.5°	28.6	30.0	31.5	32.8	34.1	35.3	36.4	37.3	38.1	38.5	38.8
-80°	20.5	21.4	22.3	23.1	23.9	24.7	25.5	26.3	27.0	27.3	27.4
-82.5°	15.9	16.0	16.0	16.2	16.3	16.4	16.6	16.8	17.0	17.2	17.4
-85°	13.0	12.7	12.5	12.2	11.8	11.3	10.7	10.2	9.6	9.6	9.7
-87.5°	8.8	8.6	8.5	8.3	8.1	7.6	7.1	6.6	6.0	5.4	4.8
-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: P1306444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200L-40-80-5L-A

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°	3.5	2.7	2.7	2.7	2.7	2.7	3.5	4.4	5.2	6.0	6.6
85°	8.1	8.0	8.0	8.0	8.0	8.0	8.1	8.3	8.5	8.7	9.3
82.5°	15.8	15.9	16.0	16.0	16.0	15.9	15.8	15.7	15.5	15.3	14.9
80°	25.5	25.6	25.8	25.8	25.8	25.6	25.5	25.2	24.9	24.4	23.5
77.5°	35.2	35.4	35.2	34.8	35.2	35.4	35.2	34.8	34.4	33.9	33.0
75°	45.7	46.0	46.7	47.2	46.7	46.0	45.7	45.3	44.7	44.0	43.0
72.5°	60.6	61.1	61.8	62.4	61.8	61.1	60.6	59.8	58.9	57.7	55.9
70°	75.5	76.1	76.5	76.6	76.5	76.1	75.5	74.7	73.6	72.1	70.0
67.5°	91.7	92.2	92.6	92.7	92.6	92.2	91.7	90.8	89.7	87.7	84.9
65°	114.0	114.9	115.6	115.8	115.6	114.9	114.0	112.6	110.8	107.8	103.8
62.5°	141.0	142.3	141.6	139.9	141.6	142.3	141.0	139.1	136.5	132.4	127.4
60°	179.0	182.2	183.2	182.7	183.2	182.2	179.0	175.0	170.2	164.2	157.0
57.5°	294.8	323.7	338.3	343.1	338.3	323.7	294.8	265.8	238.6	219.5	202.1
55°	499.6	576.4	625.4	653.2	625.4	576.4	499.6	423.8	354.0	312.5	273.8
52.5°	811.2	971.2	1087.2	1162.9	1087.2	971.2	811.2	655.4	523.4	449.3	378.4
50°	1075.3	1265.2	1390.0	1452.5	1390.0	1265.2	1075.3	882.6	722.7	621.0	520.5
47.5°	1198.5	1370.3	1488.0	1547.9	1488.0	1370.3	1198.5	1020.2	884.9	786.1	678.1
45°	1237.8	1377.5	1476.2	1523.8	1476.2	1377.5	1237.8	1088.9	994.0	912.2	813.8
42.5°	1282.2	1364.8	1413.6	1421.3	1413.6	1364.8	1282.2	1178.2	1099.0	1024.4	944.9
40°	1442.0	1545.1	1625.2	1659.3	1625.2	1545.1	1442.0	1334.1	1239.0	1132.8	1043.7
37.5°	2017.2	2189.6	2305.3	2325.8	2305.3	2189.6	2017.2	1807.6	1575.3	1315.7	1205.5
35°	3442.4	3797.7	4051.6	4196.3	4051.6	3797.7	3442.4	2997.3	2468.4	1938.4	1658.5
32.5°	3429.6	3353.8	3309.4	3296.2	3309.4	3353.8	3429.6	3555.6	3662.8	3400.1	2719.0
30°	3139.4	3044.5	2927.7	2923.7	2927.7	3044.5	3139.4	3422.4	3398.7	3827.3	3993.0
27.5°	5148.5	4996.5	4608.3	4638.3	4608.3	4996.5	5148.5	5311.3	4618.5	5616.5	5294.7
25°	11997.3	12051.3	11738.1	10796.8	11738.1	12051.3	11997.3	11466.5	10846.7	10816.9	10102.0
22.5°	23822.7	24498.4	25502.0	25713.1	25502.0	24498.4	23822.7	22454.7	21390.9	19712.6	18585.3
20°	39675.9	41557.9	44134.6	44985.3	44134.6	41557.9	39675.9	36739.0	34205.3	31049.3	28465.0
17.5°	60253.7	66306.4	71408.5	71331.1	71408.5	66306.4	60253.7	52640.3	47728.9	42756.7	38791.7
15°	99385.5	125024.6	144527.1	152114.3	144527.1	125024.6	99385.5	73169.7	61625.1	53714.1	48370.0
12.5°	182691.9	257344.9	306988.5	339503.9	306988.5	257344.9	182691.9	122500.6	76476.0	64490.8	56528.4
10°	348752.1	463759.3	524466.6	556303.8	524466.6	463759.3	348752.1	215517.6	124048.5	76982.8	62100.6
7.5°	509659.3	595009.4	635719.4	645603.4	635719.4	595009.4	509659.3	345470.6	184143.5	104047.0	70796.2
5°	595269.2	648205.4	655737.3	657510.4	655737.3	648205.4	595269.2	456432.3	263279.0	132920.6	77850.5
2.5°	627658.8	650271.9	646459.3	644445.8	646459.3	650271.9	627658.8	506644.9	303777.9	146068.6	81925.6
0°	618235.0	646430.3	637831.1	635276.2	637831.1	646430.3	618235.0	488336.6	284270.8	147543.8	85152.3
-2.5°	569045.0	626606.6	630330.5	629893.4	630330.5	626606.6	569045.0	417599.0	230348.0	132353.9	86248.4
-5°	473980.8	565343.8	595829.1	603599.7	595829.1	565343.8	473980.8	300663.5	169753.9	115431.2	84806.5
-7.5°	331605.6	441939.0	496663.4	513638.6	496663.4	441939.0	331605.6	201602.2	127023.4	98744.0	82196.1
-10°	184162.2	272451.3	333085.5	356537.1	333085.5	272451.3	184162.2	126311.7	104370.5	88258.2	80253.3
-12.5°	119344.5	144958.7	169109.9	177993.7	169109.9	144958.7	119344.5	104333.7	91144.8	85775.4	82553.9
-15°	103030.2	110885.8	115741.5	117332.3	115741.5	110885.8	103030.2	94716.5	89613.2	86388.8	84779.2
-17.5°	96492.7	99368.8	101431.0	103286.5	101431.0	99368.8	96492.7	92679.6	90650.1	88621.2	87473.3
-20°	94856.3	96593.3	97418.0	98195.6	97418.0	96593.3	94856.3	93283.8	91746.8	90383.9	88438.3



REPORT NUMBER: P1306444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200L-40-80-5L-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	93693.0	94725.1	95475.8	96305.5	95475.8	94725.1	93693.0	92725.4	91363.8	89876.8	87430.7
-25°	91503.6	92311.9	92924.7	93647.3	92924.7	92311.9	91503.6	90608.8	89319.5	87236.7	84248.7
-27.5°	88074.5	88858.2	89306.8	89901.1	89306.8	88858.2	88074.5	87039.4	85700.4	80586.9	74933.9
-30°	81393.0	83379.6	84535.2	85745.8	84535.2	83379.6	81393.0	78522.2	74715.2	67734.6	58852.7
-32.5°	67806.1	70888.8	72751.3	73762.1	72751.3	70888.8	67806.1	63178.5	57068.5	49832.8	41609.7
-35°	48795.9	51595.8	53329.9	54954.2	53329.9	51595.8	48795.9	44477.7	38814.4	32808.9	28094.5
-37.5°	31629.0	33288.8	34339.1	35075.2	34339.1	33288.8	31629.0	29199.5	26041.6	22326.7	19747.3
-40°	21660.1	22862.4	23626.3	23807.0	23626.3	22862.4	21660.1	20131.3	18412.2	16425.2	14518.7
-42.5°	15538.5	16585.4	17282.8	17489.0	17282.8	16585.4	15538.5	14300.2	13060.7	11701.0	10326.0
-45°	10375.0	10983.6	11349.3	11406.3	11349.3	10983.6	10375.0	9635.9	8810.6	7817.1	6674.8
-47.5°	6594.6	6930.3	7151.4	7255.5	7151.4	6930.3	6594.6	6144.2	5552.3	4836.8	4035.2
-50°	3796.4	4001.1	4145.3	4225.7	4145.3	4001.1	3796.4	3525.7	3176.6	2739.7	2245.7
-52.5°	1983.0	2086.9	2156.4	2191.3	2156.4	2086.9	1983.0	1841.4	1656.0	1416.0	1153.3
-55°	932.8	992.5	1022.6	1025.7	1022.6	992.5	932.8	858.4	770.7	656.8	531.7
-57.5°	369.9	367.7	366.4	364.5	366.4	367.7	369.9	367.7	360.4	335.2	307.0
-60°	272.3	275.5	278.9	281.6	278.9	275.5	272.3	267.1	259.6	246.4	230.7
-62.5°	216.4	222.9	226.0	227.2	226.0	222.9	216.4	208.7	200.0	189.4	178.1
-65°	160.2	164.4	166.2	166.6	166.2	164.4	160.2	155.2	149.8	143.7	137.1
-67.5°	119.6	121.7	122.7	123.0	122.7	121.7	119.6	117.0	114.0	110.5	106.5
-70°	88.7	89.3	89.8	90.0	89.8	89.3	88.7	87.7	86.3	84.6	82.3
-72.5°	67.0	67.3	67.6	67.7	67.6	67.3	67.0	66.5	65.8	64.9	63.5
-75°	52.1	52.3	52.5	52.6	52.5	52.3	52.1	51.8	51.4	50.7	49.5
-77.5°	38.9	39.0	39.1	39.2	39.1	39.0	38.9	38.8	38.5	38.1	37.3
-80°	27.5	27.5	27.6	27.6	27.6	27.5	27.5	27.4	27.3	27.0	26.3
-82.5°	17.6	17.7	17.8	17.8	17.8	17.7	17.6	17.4	17.2	17.0	16.8
-85°	9.7	9.8	9.8	9.8	9.8	9.8	9.7	9.7	9.6	9.6	10.2
-87.5°	4.2	3.6	3.6	3.6	3.6	3.6	4.2	4.8	5.4	6.0	6.6
-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):

	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°	7.1	7.6	8.1	8.5	8.9	9.2	9.5	9.6	9.6	9.5	9.5
85°	9.9	10.5	11.1	11.7	12.3	12.8	13.3	13.6	13.9	14.2	14.5
82.5°	14.6	14.3	14.2	14.6	15.1	15.5	15.9	16.1	16.2	16.4	16.5
80°	22.6	21.7	20.7	20.3	20.0	19.8	19.6	19.4	19.1	19.0	19.1
77.5°	32.0	30.9	29.7	28.7	27.5	26.3	25.1	24.4	23.9	23.5	23.0
75°	41.9	40.6	39.3	38.0	36.6	35.2	33.7	32.2	30.7	29.2	27.9
72.5°	54.1	52.1	50.0	47.8	45.4	43.5	41.8	40.1	38.2	36.1	34.1
70°	67.7	65.2	62.8	60.3	57.6	54.7	52.1	49.4	46.3	43.7	41.3
67.5°	81.9	78.8	76.0	73.4	70.6	67.4	64.4	61.2	57.9	54.3	50.2
65°	99.5	94.6	90.0	86.6	83.3	79.9	77.3	74.0	70.2	66.0	61.3
62.5°	121.9	115.9	110.1	104.4	98.6	92.9	88.5	85.1	81.7	77.9	72.6
60°	148.9	140.0	133.3	126.0	118.1	110.2	104.3	98.1	91.7	87.4	82.9
57.5°	186.4	174.3	164.1	153.2	141.7	132.2	123.4	114.3	106.6	99.2	91.8
55°	239.4	219.2	203.0	187.1	172.4	160.6	147.1	134.2	124.0	113.4	104.8
52.5°	315.2	285.2	256.9	227.8	208.8	194.3	178.1	162.2	145.2	132.4	120.0
50°	433.6	386.3	336.9	290.8	262.2	234.5	213.6	194.5	174.3	155.6	138.8
47.5°	582.6	516.2	449.2	390.2	340.3	292.0	260.5	229.4	206.8	182.0	161.6
45°	733.2	659.2	578.9	510.5	445.9	385.2	323.0	279.3	243.7	214.8	185.3
42.5°	870.6	800.0	722.0	643.3	570.4	495.2	417.5	348.2	291.0	251.4	219.0
40°	974.4	906.9	834.3	770.9	691.8	613.7	528.2	436.0	359.4	295.1	255.8
37.5°	1089.2	975.5	925.0	865.8	794.0	722.3	640.3	543.2	439.9	362.6	300.6
35°	1345.1	1159.9	1043.3	957.6	885.8	831.1	751.6	650.3	547.6	450.2	358.3
32.5°	1926.9	1657.6	1278.1	1126.0	1017.8	952.9	867.2	761.0	682.9	568.5	445.3
30°	3668.4	2955.3	2058.1	1496.7	1287.5	1109.3	996.3	944.3	849.3	708.6	545.6
27.5°	6120.3	5807.9	4278.6	2862.3	1817.1	1413.4	1253.8	1173.2	1046.3	877.5	687.1
25°	10654.0	9906.0	8919.1	6490.9	3663.6	1995.7	1695.6	1481.6	1291.2	1077.1	868.1
22.5°	17550.1	16609.3	15076.5	12211.1	7622.5	4349.4	2453.5	1852.4	1598.4	1377.6	1100.3
20°	26188.4	24465.4	22327.8	18996.0	14113.3	7455.2	3908.0	2645.0	2160.0	1752.5	1367.9
17.5°	35653.5	32940.2	29851.1	26218.4	20946.2	13539.5	7155.9	3939.9	2879.4	2178.9	1662.3
15°	44581.7	40954.2	37339.6	33203.2	27824.6	20178.4	10752.5	5477.5	3829.5	2747.6	2044.9
12.5°	51586.7	48007.7	44479.5	39968.1	34717.8	26557.0	15941.7	8528.8	5146.7	3602.1	2559.7
10°	56955.0	53514.2	50059.2	45838.1	40643.2	32633.0	21296.1	11441.8	6660.0	4609.4	3115.3
7.5°	61067.7	57372.3	54676.4	51065.7	46056.7	38273.6	26146.4	14034.2	8130.3	5666.9	3690.3
5°	64324.3	60414.7	58212.4	55413.5	51063.3	43486.3	30523.5	16279.5	9527.0	6726.4	4260.6
2.5°	67045.0	63018.5	61145.0	59115.0	55554.6	47789.5	33890.8	18306.7	10808.8	7615.0	4785.3
0°	69667.4	65415.0	63778.9	62115.2	59023.9	50482.6	35825.5	20078.6	11953.4	8369.4	5251.3
-2.5°	71820.7	67875.9	66594.4	65157.9	62085.3	52957.5	37456.5	21148.0	12543.1	8726.1	5552.2
-5°	73264.4	70377.6	69333.5	67926.0	64160.6	54084.0	37765.4	21550.1	12851.1	8884.8	5754.9
-7.5°	75293.3	73191.5	72173.6	70512.8	65477.4	53815.1	36722.1	21184.1	12762.3	8671.3	5621.7
-10°	77559.1	76368.7	75255.3	72836.1	65877.0	52064.8	34388.6	20100.4	12356.4	8285.0	5372.7
-12.5°	80667.3	79466.8	78029.7	74838.2	65129.4	48346.2	30442.9	18183.2	11598.7	7721.3	5002.2
-15°	83887.4	82152.1	79306.8	72962.0	60713.2	43009.1	25676.8	15351.4	10486.4	6987.1	4504.3
-17.5°	85683.2	83432.3	79314.7	69545.0	53470.6	36006.4	22041.1	13838.9	9433.8	6216.3	3906.6
-20°	86204.6	82750.1	74342.4	61227.8	44578.5	27771.5	17690.5	12093.2	8304.1	5450.1	3389.2



REPORT NUMBER: P1306444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200L-40-80-5L-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	84533.5	76760.6	65884.3	50585.8	34321.2	22560.0	14844.1	10321.5	6964.6	4514.9	2784.7
-25°	76943.5	67177.8	53792.1	38764.8	26000.4	17217.2	12412.3	8746.9	5843.8	3632.3	2139.7
-27.5°	64812.2	53254.4	40372.7	28195.8	19436.3	14265.2	10203.4	7039.9	4570.8	2853.1	1693.1
-30°	48826.0	37699.5	28361.4	20467.9	15636.9	11482.6	8071.7	5504.4	3518.2	2085.3	1228.5
-32.5°	32406.9	26304.5	19911.0	16162.0	12381.7	9005.7	6291.4	4008.0	2479.7	1543.6	925.7
-35°	22847.3	18918.6	15536.6	12435.9	9387.2	6827.5	4555.9	2890.0	1758.1	1033.2	656.5
-37.5°	16987.2	14264.7	11717.7	9109.8	6879.4	4840.1	3204.6	2012.4	1123.6	718.3	488.2
-40°	12524.4	10363.1	8391.7	6347.4	4709.5	3227.9	2152.0	1254.6	790.4	474.8	372.7
-42.5°	8747.3	7064.0	5550.8	4184.0	2946.5	2071.6	1301.7	831.1	511.2	366.0	299.9
-45°	5636.1	4497.6	3353.2	2540.0	1739.5	1212.9	776.7	517.9	362.2	294.9	246.9
-47.5°	3356.7	2648.2	1922.2	1408.0	1002.9	654.0	480.1	330.7	287.7	244.9	212.8
-50°	1808.7	1432.4	1054.1	726.2	550.7	389.5	312.4	271.9	237.0	207.9	180.8
-52.5°	892.9	714.1	542.4	383.7	321.1	283.4	247.8	223.3	197.2	175.5	155.1
-55°	396.9	343.3	310.4	276.5	245.5	225.5	204.1	183.7	166.0	147.6	134.5
-57.5°	277.8	253.0	235.3	217.1	198.9	182.7	167.3	151.7	139.5	127.7	116.8
-60°	213.6	196.2	185.0	172.9	159.7	146.4	137.1	127.5	117.6	110.8	104.3
-62.5°	166.6	155.2	146.1	137.7	129.1	120.5	113.5	108.1	102.4	96.7	90.0
-65°	130.1	122.7	115.9	110.9	106.0	101.2	96.7	91.9	86.5	80.8	74.6
-67.5°	102.3	98.0	94.2	90.7	87.2	83.5	79.4	75.0	70.4	65.3	59.7
-70°	79.7	76.8	74.0	71.4	69.0	66.2	62.9	59.0	54.8	51.2	47.8
-72.5°	61.8	59.9	57.9	55.9	53.3	51.0	48.7	46.4	43.8	41.0	38.3
-75°	48.2	46.9	45.4	43.8	41.9	39.9	38.0	36.2	34.3	32.2	30.1
-77.5°	36.4	35.3	34.1	32.8	31.5	30.0	28.6	27.2	26.0	24.9	23.8
-80°	25.5	24.7	23.9	23.1	22.3	21.4	20.5	19.9	19.3	19.0	18.9
-82.5°	16.6	16.4	16.3	16.2	16.0	16.0	15.9	15.9	15.9	15.8	15.7
-85°	10.7	11.3	11.8	12.2	12.5	12.7	13.0	13.1	13.3	13.4	13.6
-87.5°	7.1	7.6	8.1	8.3	8.5	8.6	8.8	8.8	8.9	8.9	8.8
-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: P1306444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200L-40-80-5L-A

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°	9.2	8.9	8.6	8.2	7.8	7.3	6.9	6.4	5.9	5.3	4.7
85°	14.6	14.7	14.8	14.8	14.8	14.7	13.8	12.8	11.7	10.6	9.5
82.5°	16.6	16.7	16.8	16.8	16.7	16.5	16.3	16.1	15.9	15.6	14.2
80°	19.2	19.3	19.3	19.1	18.7	18.3	17.9	17.6	17.2	16.9	16.5
77.5°	22.6	22.3	22.0	21.7	21.1	20.5	19.8	19.2	18.6	18.1	17.6
75°	26.7	25.9	25.3	24.6	23.7	22.7	21.9	21.1	20.2	19.3	18.7
72.5°	32.4	30.8	29.2	27.6	26.4	25.3	24.1	22.9	21.9	20.9	19.8
70°	38.8	36.2	34.0	31.9	29.8	27.9	26.5	25.0	23.6	22.3	21.1
67.5°	45.8	42.8	39.7	36.4	33.7	31.3	28.9	27.2	25.5	23.8	22.4
65°	56.4	51.2	45.9	42.1	38.3	34.7	32.0	29.5	27.4	25.5	23.7
62.5°	67.1	61.4	55.4	48.9	43.6	39.2	35.1	32.2	29.4	27.2	25.1
60°	77.8	71.6	65.2	58.3	50.6	44.1	39.3	34.8	31.7	28.9	26.5
57.5°	86.6	81.2	74.7	67.6	59.7	50.8	43.7	38.4	33.9	30.7	27.9
55°	95.8	89.1	83.5	76.5	68.4	59.3	49.3	42.4	36.4	32.6	29.3
52.5°	108.6	98.6	90.7	84.6	76.7	67.5	56.8	46.3	40.0	34.4	30.9
50°	124.2	110.6	99.5	91.0	84.5	75.0	64.1	52.6	43.5	36.5	32.4
47.5°	142.3	125.5	110.7	98.2	90.1	82.6	71.1	59.0	46.9	39.6	34.0
45°	164.6	142.5	123.7	108.5	95.8	88.5	78.1	65.0	52.3	42.7	35.5
42.5°	189.0	163.6	139.4	118.6	104.8	93.9	85.0	71.3	57.6	45.8	37.6
40°	221.2	187.7	156.8	133.4	114.2	99.3	90.1	77.5	62.5	49.3	40.2
37.5°	254.6	216.2	180.0	148.4	124.5	107.7	95.0	83.5	67.8	53.7	42.8
35°	296.5	247.5	203.8	167.3	138.4	115.7	99.9	88.9	73.2	58.0	45.2
32.5°	339.2	281.5	232.1	188.8	152.3	123.5	106.0	93.2	78.4	62.1	47.6
30°	414.4	321.9	260.1	209.7	167.6	135.4	112.7	97.4	83.3	65.9	50.1
27.5°	513.3	363.3	289.6	233.2	185.9	147.4	119.2	101.4	87.8	69.7	53.2
25°	637.6	444.1	326.7	257.1	203.4	158.6	125.5	105.4	91.5	73.5	56.2
22.5°	807.5	546.4	363.8	279.8	218.8	168.9	133.1	110.6	94.7	77.0	58.9
20°	990.9	655.5	402.2	302.6	235.2	181.7	141.6	115.4	97.7	80.1	61.4
17.5°	1191.8	799.5	494.3	336.6	251.9	193.3	149.3	119.9	100.6	83.0	63.7
15°	1477.8	984.3	599.8	373.0	267.2	203.8	156.2	124.0	103.2	85.6	65.7
12.5°	1799.0	1175.0	707.1	410.6	280.9	213.0	162.2	127.6	105.5	88.0	67.4
10°	2136.2	1366.3	813.2	448.2	293.0	221.0	167.3	131.6	108.4	90.4	68.9
7.5°	2476.9	1552.3	914.7	484.4	304.4	229.2	175.4	136.9	111.1	92.6	70.1
5°	2813.4	1743.5	1022.4	535.0	319.8	237.5	183.4	142.0	113.6	94.4	71.1
2.5°	3149.3	1944.3	1127.2	585.0	333.4	244.2	190.6	146.6	115.8	95.9	71.8
0°	3445.1	2120.9	1216.4	629.1	344.9	249.5	196.9	150.6	117.6	97.1	72.2
-2.5°	3606.9	2214.6	1256.6	660.4	359.9	256.5	202.6	153.8	118.7	97.4	72.3
-5°	3707.0	2268.7	1275.9	681.2	371.5	262.2	207.1	156.1	119.4	97.3	72.2
-7.5°	3605.4	2200.9	1249.6	686.5	379.1	266.3	210.2	157.5	119.7	96.8	71.8
-10°	3401.8	2046.1	1167.7	659.2	383.1	266.6	210.9	157.9	119.4	95.8	71.0
-12.5°	3123.7	1858.0	1072.7	626.6	380.4	262.6	204.9	154.9	118.5	94.5	70.0
-15°	2768.1	1638.0	967.0	590.1	369.6	256.0	197.6	150.0	116.4	92.6	68.6
-17.5°	2334.9	1388.0	852.6	551.3	349.7	246.8	189.0	144.6	114.0	90.4	67.0
-20°	2000.7	1172.9	743.1	511.4	319.8	234.6	179.2	138.6	111.2	87.7	65.0



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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°	1658.0	1002.2	663.6	475.3	291.1	219.4	168.1	132.1	108.1	84.6	62.7
-25°	1276.0	818.1	577.2	406.7	273.1	205.9	158.0	125.3	104.7	81.2	60.0
-27.5°	1008.0	648.8	489.1	339.5	247.1	191.2	149.4	120.8	100.8	77.3	57.1
-30°	783.4	550.2	411.1	283.2	219.8	174.5	140.6	116.3	96.0	73.4	53.8
-32.5°	584.2	451.7	339.6	251.8	197.9	158.2	131.3	111.5	90.8	69.4	51.4
-35°	480.6	371.2	275.1	219.3	179.2	147.4	123.0	106.5	85.1	65.0	49.1
-37.5°	377.0	303.4	238.9	192.0	160.9	136.3	116.9	100.0	79.1	60.2	46.7
-40°	310.7	250.7	203.4	172.7	147.1	125.0	110.6	92.6	73.1	55.1	44.2
-42.5°	252.5	214.0	179.8	154.2	134.6	117.9	104.0	84.8	66.9	51.3	41.5
-45°	215.6	183.4	159.6	140.3	122.8	110.8	94.9	76.7	60.3	48.1	39.0
-47.5°	182.9	161.0	142.2	126.2	115.1	102.8	85.4	69.0	53.4	44.7	36.7
-50°	158.5	141.2	127.1	116.1	107.0	92.0	75.8	60.9	49.4	41.2	34.3
-52.5°	138.3	125.2	115.3	107.3	95.4	80.8	66.6	53.0	45.3	38.0	31.8
-55°	121.7	112.9	105.9	95.7	83.0	70.1	57.0	48.3	41.1	34.9	29.3
-57.5°	109.6	102.9	93.5	82.5	71.0	59.3	50.1	43.4	37.2	31.6	27.9
-60°	97.6	89.2	79.8	69.7	59.2	50.7	44.6	38.7	33.3	28.6	26.5
-62.5°	82.7	74.9	66.3	57.0	50.1	44.6	39.2	34.1	29.3	26.9	25.0
-65°	68.0	60.6	53.0	48.3	43.4	38.6	33.9	29.4	26.9	25.2	23.5
-67.5°	53.4	49.4	45.3	41.1	36.8	32.6	28.4	26.4	25.0	23.5	22.0
-70°	44.4	40.9	37.5	33.8	30.1	27.0	25.6	24.3	23.0	21.8	20.5
-72.5°	35.7	32.9	29.7	26.7	25.5	24.4	23.2	22.1	21.2	20.1	18.9
-75°	27.6	26.0	24.7	23.7	22.8	21.8	21.0	20.2	19.4	18.5	17.8
-77.5°	22.8	21.9	21.2	20.8	20.2	19.6	18.9	18.3	17.7	17.2	16.7
-80°	18.8	18.6	18.4	18.2	17.8	17.4	17.0	16.7	16.4	16.0	15.6
-82.5°	15.7	15.8	15.9	15.9	15.8	15.6	15.4	15.2	15.0	14.8	13.4
-85°	13.7	13.8	13.9	13.9	13.9	13.8	13.0	12.1	11.1	10.0	9.0
-87.5°	8.6	8.3	8.0	7.7	7.3	6.9	6.5	6.0	5.5	5.0	4.5
-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	3.5	2.8	2.1	1.4	0.7	0.0
85°	8.3	6.9	5.5	4.2	2.8	1.4	0.0
82.5°	12.4	10.4	8.3	6.2	4.2	2.1	0.0
80°	16.1	13.8	11.1	8.3	5.5	2.8	0.0
77.5°	17.0	16.3	13.8	10.4	6.9	3.5	0.0
75°	17.9	17.0	16.1	12.4	8.3	4.1	0.0
72.5°	18.8	17.8	16.7	14.4	9.6	4.8	0.0
70°	19.7	18.5	17.3	16.1	10.9	5.5	0.0
67.5°	20.8	19.2	17.9	16.5	12.2	6.1	0.0
65°	21.9	20.0	18.5	17.0	13.5	6.8	0.0
62.5°	23.0	20.9	19.0	17.4	14.8	7.4	0.0
60°	24.0	21.8	19.6	17.8	16.0	8.0	0.0
57.5°	25.2	22.6	20.2	18.2	16.3	8.6	0.0
55°	26.4	23.4	20.9	18.6	16.5	9.2	0.0
52.5°	27.6	24.3	21.5	19.0	16.8	9.7	0.0
50°	28.8	25.3	22.1	19.3	17.0	10.3	0.0
47.5°	29.9	26.2	22.7	19.7	17.3	10.8	0.0
45°	31.2	27.1	23.3	20.1	17.5	11.3	0.0
42.5°	32.5	28.1	23.8	20.5	17.7	11.8	0.0
40°	33.7	28.9	24.5	20.9	17.9	12.3	0.0
37.5°	34.9	29.8	25.1	21.3	18.1	12.7	0.0
35°	36.0	30.7	25.8	21.6	18.3	13.1	0.0
32.5°	37.4	31.6	26.4	22.0	18.5	13.5	0.0
30°	39.3	32.4	26.9	22.3	18.6	13.9	0.0
27.5°	41.1	33.2	27.5	22.6	18.8	14.2	0.0
25°	42.7	34.0	28.0	22.8	18.9	14.5	0.0
22.5°	44.3	34.7	28.4	23.1	19.1	14.8	0.0
20°	45.8	35.3	28.8	23.3	19.2	15.0	0.0
17.5°	47.1	35.9	29.1	23.5	19.3	15.3	0.0
15°	48.2	36.4	29.4	23.6	19.4	15.5	0.0
12.5°	49.2	36.9	29.7	23.8	19.4	15.6	0.0
10°	50.0	37.3	29.9	23.9	19.5	15.8	0.0
7.5°	50.6	37.7	30.1	24.0	19.5	15.9	0.0
5°	51.1	37.9	30.2	24.0	19.6	15.9	0.0
2.5°	51.5	38.2	30.3	24.1	19.6	16.0	0.0
0°	51.7	38.3	30.3	24.1	19.6	16.0	0.0
-2.5°	51.7	38.4	30.3	24.1	19.6	16.0	0.0
-5°	51.6	38.3	30.2	24.0	19.6	15.9	0.0
-7.5°	51.4	38.2	30.1	24.0	19.5	15.9	0.0
-10°	50.9	38.0	29.9	23.9	19.5	15.8	0.0
-12.5°	50.3	37.8	29.7	23.8	19.4	15.6	0.0
-15°	49.6	37.4	29.4	23.6	19.4	15.5	0.0
-17.5°	48.7	36.9	29.1	23.5	19.3	15.3	0.0
-20°	47.7	36.4	28.8	23.3	19.2	15.0	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	46.4	35.7	28.4	23.1	19.1	14.8	0.0
-25°	45.0	35.0	28.0	22.8	18.9	14.5	0.0
-27.5°	43.5	34.1	27.5	22.6	18.8	14.2	0.0
-30°	41.9	33.1	26.9	22.3	18.6	13.9	0.0
-32.5°	40.1	32.0	26.4	22.0	18.5	13.5	0.0
-35°	38.5	30.9	25.8	21.6	18.3	13.1	0.0
-37.5°	37.1	29.8	25.1	21.3	18.1	12.7	0.0
-40°	35.5	28.9	24.5	20.9	17.9	12.3	0.0
-42.5°	33.8	28.1	23.8	20.5	17.7	11.8	0.0
-45°	32.0	27.1	23.3	20.1	17.5	11.3	0.0
-47.5°	30.0	26.2	22.7	19.7	17.3	10.8	0.0
-50°	28.8	25.3	22.0	19.3	17.0	10.3	0.0
-52.5°	27.6	24.3	21.4	18.9	16.8	9.7	0.0
-55°	26.4	23.4	20.7	18.5	16.5	9.2	0.0
-57.5°	25.2	22.5	20.0	18.1	16.3	8.6	0.0
-60°	24.0	21.5	19.2	17.7	16.0	8.0	0.0
-62.5°	22.8	20.5	18.7	17.2	14.8	7.4	0.0
-65°	21.5	19.5	18.1	16.8	13.5	6.8	0.0
-67.5°	20.2	18.6	17.5	16.3	12.2	6.1	0.0
-70°	18.9	17.9	16.9	15.9	10.9	5.5	0.0
-72.5°	18.0	17.1	16.3	14.2	9.6	4.8	0.0
-75°	17.1	16.4	15.7	12.2	8.3	4.1	0.0
-77.5°	16.2	15.6	13.4	10.2	6.9	3.5	0.0
-80°	15.2	13.2	10.8	8.2	5.5	2.8	0.0
-82.5°	11.7	9.9	8.1	6.2	4.2	2.1	0.0
-85°	7.8	6.6	5.4	4.1	2.8	1.4	0.0
-87.5°	3.9	3.3	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)