

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: P699926 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-16-1200L-57-80-3R-S**

Issue Date: 8/10/2023

Test Information

Test Method: LM-79-08
Report Number: P699926 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-50)
Test Lab: INNOVATION CENTER
Issue Date: 8/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS-16-1200L-57-80-3R-S
Description: EPHEBUS LUMASPORT 16 LUMINAIRE
(16) 5700K, 80 CRI LEDS AND 3R BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

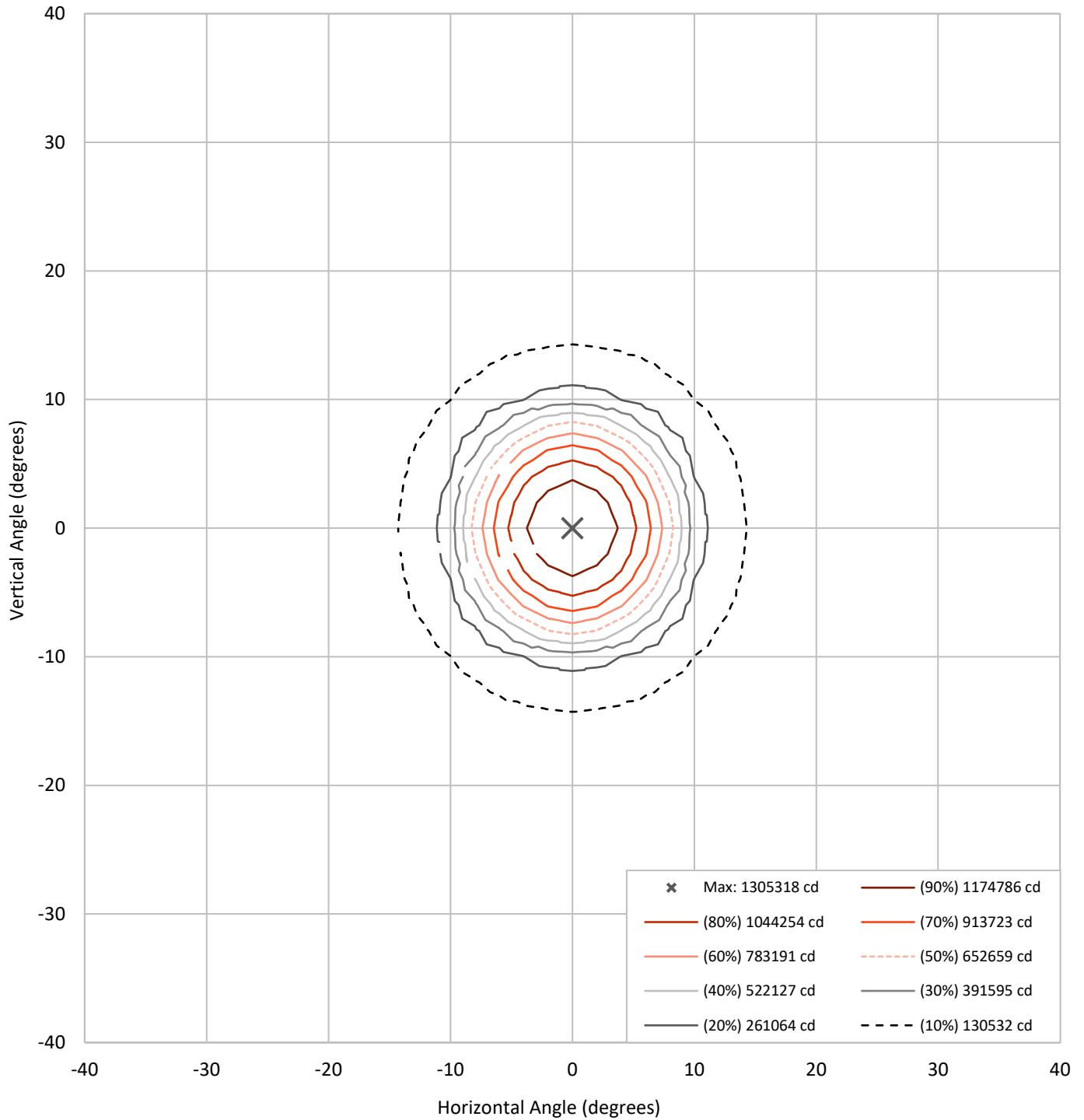
Lumens per Lamp:	N/A	NEMA Type:	2H x 2V
Luminaire Lumens:	165743.4 lumens	Max Intensity:	1305318 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	132.0 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		

Beam Angle (50%):	16.5°H x 16.5°V	Field Angle (10%):	28.4°H x 28.4°V
Beam Lumens:	60607.1 lumens	Field Lumens:	98523.6 lumens
Beam Efficiency:	36.6%	Field Efficiency:	59.4%

Input Watts (W): 1255.9
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-LS-16-1200L-57-80-3R-S

Iso-Candela Plot





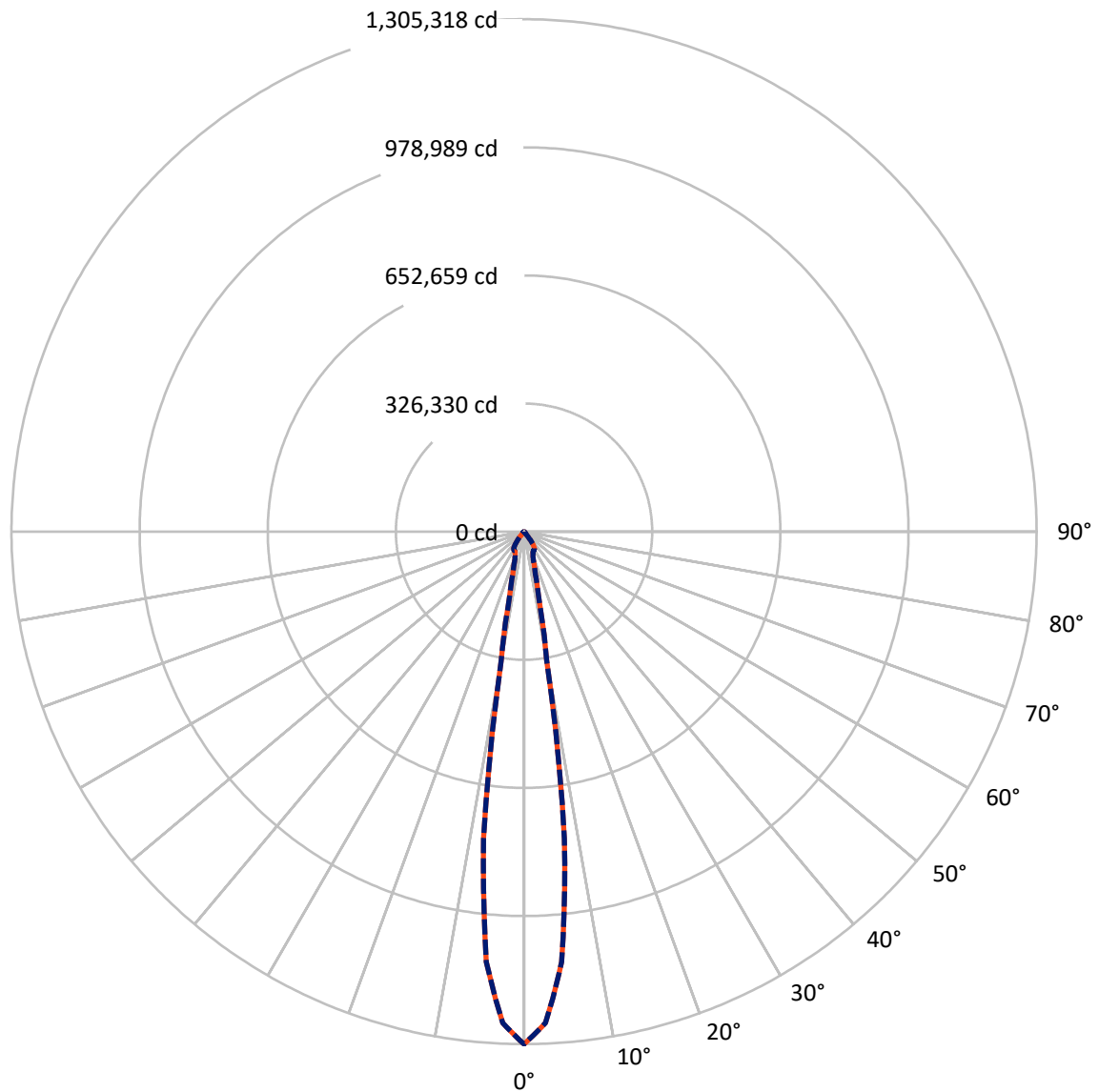
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Lumen Table

90	0.1	0.8		2.0		3.3		3.8		3.3		2.0		0.8		0.1
80	0.1	0.8		2.0		3.3		3.8		3.3		2.0		0.8		0.1
70	0.4	0.4	0.8	1.4	2.2	3.1	4.0	4.5	4.5	4.0	3.1	2.2	1.4	0.8	0.4	0.4
60		0.6	1.3	2.8	5.5	10.2	15.1	17.9	17.9	15.1	10.2	5.5	2.8	1.3	0.6	
50	0.6	0.8	2.3	6.4	15.7	25.6	52.4	87.2	87.2	52.4	25.6	15.7	6.4	2.3	0.8	0.6
40		1.1	3.9	13.6	33.8	216.0	689.7	1029.0	1029.0	689.7	216.0	33.8	13.6	3.9	1.1	
30	0.8	1.5	6.6	20.1	197.5	1006.2	1524.6	1691.4	1691.4	1524.6	1006.2	197.5	20.1	6.6	1.5	0.8
20		1.8	9.2	39.3	593.8	1431.6	1952.3	3517.0	3517.0	1952.3	1431.6	593.8	39.3	9.2	1.8	
10	0.9	2.0	10.5	64.1	857.0	1540.6	3424.3	21286.8	21286.8	3424.3	1540.6	857.0	64.1	10.5	2.0	0.9
0		2.0	10.5	64.1	857.0	1540.6	3424.3	21286.8	21286.8	3424.3	1540.6	857.0	64.1	10.5	2.0	
-10	0.8	1.8	9.2	39.3	593.8	1431.6	1952.3	3517.0	3517.0	1952.3	1431.6	593.8	39.3	9.2	1.8	0.8
-20		1.5	6.6	20.1	197.5	1006.2	1524.6	1691.4	1691.4	1524.6	1006.2	197.5	20.1	6.6	1.5	
-30	0.6	1.1	3.9	13.6	33.8	216.0	689.7	1029.0	1029.0	689.7	216.0	33.8	13.6	3.9	1.1	0.6
-40		0.8	2.3	6.4	15.7	25.6	52.4	87.2	87.2	52.4	25.6	15.7	6.4	2.3	0.8	
-50	0.4	0.6	1.3	2.8	5.5	10.2	15.1	17.9	17.9	15.1	10.2	5.5	2.8	1.3	0.6	0.4
-60		0.4	0.8	1.4	2.2	3.1	4.0	4.5	4.5	4.0	3.1	2.2	1.4	0.8	0.4	
-70	0.1	0.8		2.0		3.3		3.8		3.3		2.0		0.8		0.1
-80		0.8		2.0		3.3		3.8		3.3		2.0		0.8		
-90	0.1	0.8		2.0		3.3		3.8		3.3		2.0		0.8		0.1

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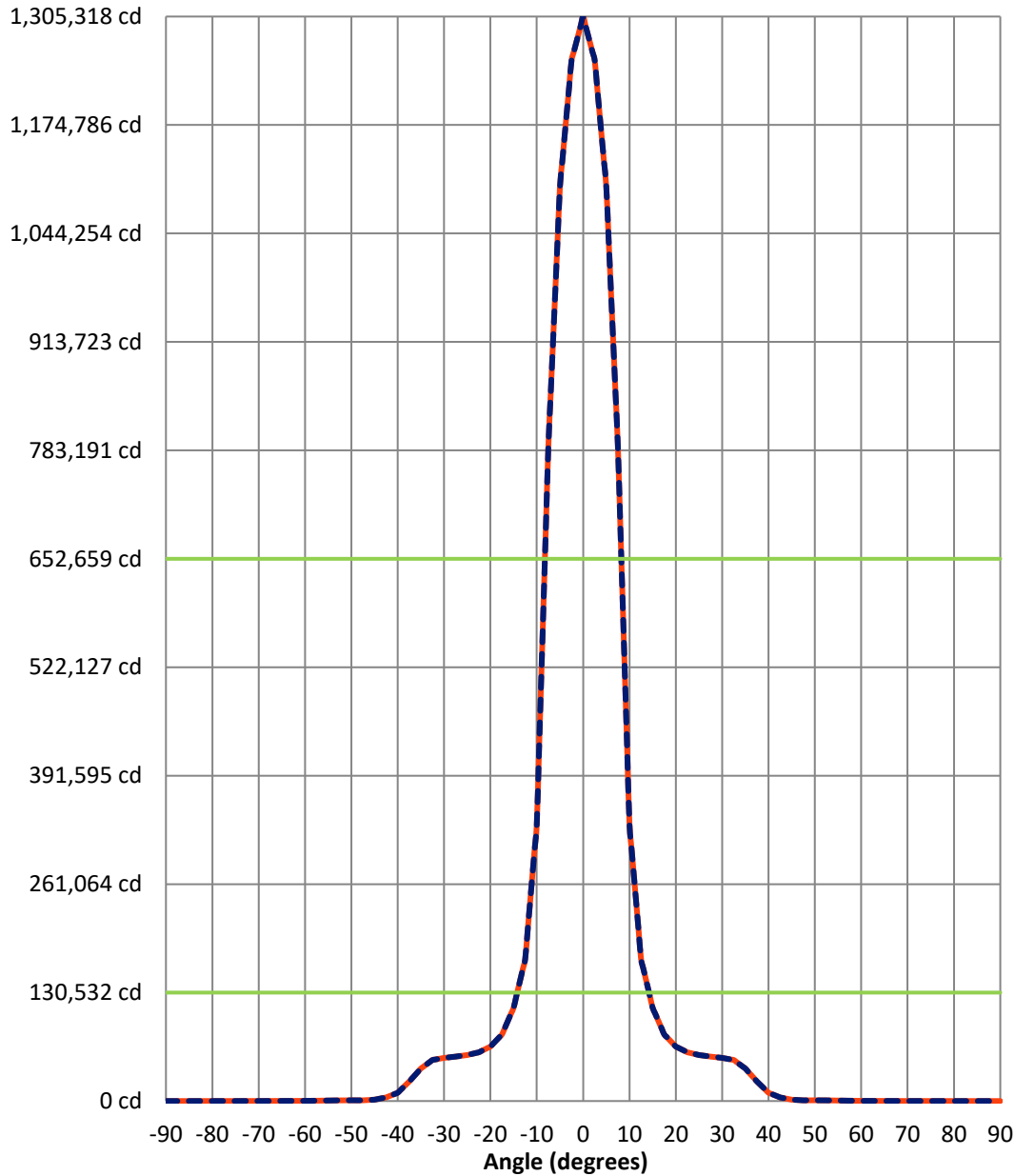
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 16.5°
 V Angle: 16.5°
 Lumens: 60607.1
 Efficiency: 36.6%

Field:
 H Angle: 28.4°
 V Angle: 28.4°
 Lumens: 98523.6
 Efficiency: 59.4%

Spill:
 Lumens: 67219.9
 Efficiency: 40.6%

— 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	0.4	0.8	1.2	1.6	2.1	2.5	2.9	3.2	3.6	4.0
85°	0.0	0.8	1.7	2.5	3.3	4.1	4.9	5.7	6.5	7.3	8.0
82.5°	0.0	1.2	2.5	3.7	4.9	6.2	7.4	8.5	9.5	9.5	9.5
80°	0.0	1.6	3.3	4.9	6.6	8.2	9.5	9.5	9.5	9.5	9.5
77.5°	0.0	2.1	4.1	6.2	8.2	9.5	9.5	9.5	9.5	9.5	10.4
75°	0.0	2.5	4.9	7.4	9.5	9.5	9.5	9.5	9.8	12.1	14.3
72.5°	0.0	2.9	5.7	8.5	9.5	9.5	9.5	10.2	12.9	15.5	18.2
70°	0.0	3.2	6.5	9.5	9.5	9.5	9.8	12.9	16.0	19.0	22.0
67.5°	0.0	3.6	7.3	9.5	9.5	9.5	12.1	15.5	19.0	22.4	25.8
65°	0.0	4.0	8.0	9.5	9.5	10.4	14.3	18.2	22.0	25.8	29.5
62.5°	0.0	4.4	8.8	9.5	9.5	12.3	16.5	20.7	24.9	29.1	33.1
60°	0.0	4.7	9.5	9.5	9.5	14.1	18.7	23.3	27.8	32.3	36.7
57.5°	0.0	5.1	9.5	9.5	10.8	15.8	20.8	25.7	30.6	35.4	40.2
55°	0.0	5.4	9.5	9.5	12.2	17.5	22.8	28.1	33.3	38.5	43.6
52.5°	0.0	5.8	9.5	9.5	13.5	19.2	24.8	30.5	36.0	41.5	47.0
50°	0.0	6.1	9.5	9.5	14.8	20.8	26.8	32.7	38.6	44.4	53.1
47.5°	0.0	6.4	9.5	9.7	16.0	22.4	28.7	34.9	41.1	47.2	59.3
45°	0.0	6.7	9.5	10.6	17.2	23.9	30.5	37.0	43.5	52.6	65.4
42.5°	0.0	7.0	9.5	11.5	18.4	25.3	32.2	39.0	45.8	57.8	68.7
40°	0.0	7.3	9.5	12.3	19.4	26.7	33.8	40.9	48.7	62.8	71.4
37.5°	0.0	7.5	9.5	13.0	20.5	28.0	35.4	42.7	52.9	66.9	74.1
35°	0.0	7.8	9.5	13.8	21.5	29.2	36.8	44.5	56.9	69.1	78.5
32.5°	0.0	8.0	9.5	14.5	22.4	30.3	38.2	46.1	60.6	71.2	85.6
30°	0.0	8.2	9.5	15.1	23.3	31.4	39.5	48.0	64.2	73.2	92.3
27.5°	0.0	8.4	9.5	15.7	24.1	32.4	40.7	50.9	66.8	75.0	98.5
25°	0.0	8.6	9.5	16.2	24.8	33.3	41.9	53.5	68.3	78.9	104.4
22.5°	0.0	8.8	9.5	16.7	25.5	34.2	42.9	55.8	69.7	83.6	113.1
20°	0.0	8.9	9.5	17.2	26.1	34.9	43.8	58.0	70.9	87.8	121.0
17.5°	0.0	9.1	9.5	17.6	26.6	35.6	44.6	59.9	72.0	91.6	128.0
15°	0.0	9.2	9.5	17.9	27.1	36.2	45.3	61.6	72.9	94.8	134.1
12.5°	0.0	9.3	9.5	18.2	27.5	36.7	45.9	63.0	73.7	97.6	139.3
10°	0.0	9.4	9.5	18.5	27.8	37.1	46.4	64.1	74.4	99.9	143.6
7.5°	0.0	9.4	9.5	18.7	28.1	37.4	46.8	65.0	74.9	101.7	147.0
5°	0.0	9.5	9.5	18.8	28.3	37.6	47.1	65.7	75.3	103.0	149.4
2.5°	0.0	9.5	9.5	18.9	28.4	37.8	47.2	66.1	75.5	103.7	150.8
0°	0.0	9.5	9.5	18.9	28.4	37.8	47.3	66.2	75.6	104.0	151.3
-2.5°	0.0	9.5	9.5	18.9	28.4	37.8	47.2	66.1	75.5	103.7	150.8
-5°	0.0	9.5	9.5	18.8	28.3	37.6	47.1	65.7	75.3	103.0	149.4
-7.5°	0.0	9.4	9.5	18.7	28.1	37.4	46.8	65.0	74.9	101.7	147.0
-10°	0.0	9.4	9.5	18.5	27.8	37.1	46.4	64.1	74.4	99.9	143.6
-12.5°	0.0	9.3	9.5	18.2	27.5	36.7	45.9	63.0	73.7	97.6	139.3
-15°	0.0	9.2	9.5	17.9	27.1	36.2	45.3	61.6	72.9	94.8	134.1
-17.5°	0.0	9.1	9.5	17.6	26.6	35.6	44.6	59.9	72.0	91.6	128.0
-20°	0.0	8.9	9.5	17.2	26.1	34.9	43.8	58.0	70.9	87.8	121.0



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 CATALOG NUMBER: EPH-LS-16-1200L-57-80-3R-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	8.8	9.5	16.7	25.5	34.2	42.9	55.8	69.7	83.6	113.1
-25°	0.0	8.6	9.5	16.2	24.8	33.3	41.9	53.5	68.3	78.9	104.4
-27.5°	0.0	8.4	9.5	15.7	24.1	32.4	40.7	50.9	66.8	75.0	98.5
-30°	0.0	8.2	9.5	15.1	23.3	31.4	39.5	48.0	64.2	73.2	92.3
-32.5°	0.0	8.0	9.5	14.5	22.4	30.3	38.2	46.1	60.6	71.2	85.6
-35°	0.0	7.8	9.5	13.8	21.5	29.2	36.8	44.5	56.9	69.1	78.5
-37.5°	0.0	7.5	9.5	13.0	20.5	28.0	35.4	42.7	52.9	66.9	74.1
-40°	0.0	7.3	9.5	12.3	19.4	26.7	33.8	40.9	48.7	62.8	71.4
-42.5°	0.0	7.0	9.5	11.5	18.4	25.3	32.2	39.0	45.8	57.8	68.7
-45°	0.0	6.7	9.5	10.6	17.2	23.9	30.5	37.0	43.5	52.6	65.4
-47.5°	0.0	6.4	9.5	9.7	16.0	22.4	28.7	34.9	41.1	47.2	59.3
-50°	0.0	6.1	9.5	9.5	14.8	20.8	26.8	32.7	38.6	44.4	53.1
-52.5°	0.0	5.8	9.5	9.5	13.5	19.2	24.8	30.5	36.0	41.5	47.0
-55°	0.0	5.4	9.5	9.5	12.2	17.5	22.8	28.1	33.3	38.5	43.6
-57.5°	0.0	5.1	9.5	9.5	10.8	15.8	20.8	25.7	30.6	35.4	40.2
-60°	0.0	4.7	9.5	9.5	9.5	14.1	18.7	23.3	27.8	32.3	36.7
-62.5°	0.0	4.4	8.8	9.5	9.5	12.3	16.5	20.7	24.9	29.1	33.1
-65°	0.0	4.0	8.0	9.5	9.5	10.4	14.3	18.2	22.0	25.8	29.5
-67.5°	0.0	3.6	7.3	9.5	9.5	9.5	12.1	15.5	19.0	22.4	25.8
-70°	0.0	3.2	6.5	9.5	9.5	9.5	9.8	12.9	16.0	19.0	22.0
-72.5°	0.0	2.9	5.7	8.5	9.5	9.5	9.5	10.2	12.9	15.5	18.2
-75°	0.0	2.5	4.9	7.4	9.5	9.5	9.5	9.5	9.8	12.1	14.3
-77.5°	0.0	2.1	4.1	6.2	8.2	9.5	9.5	9.5	9.5	9.5	10.4
-80°	0.0	1.6	3.3	4.9	6.6	8.2	9.5	9.5	9.5	9.5	9.5
-82.5°	0.0	1.2	2.5	3.7	4.9	6.2	7.4	8.5	9.5	9.5	9.5
-85°	0.0	0.8	1.7	2.5	3.3	4.1	4.9	5.7	6.5	7.3	8.0
-87.5°	0.0	0.4	0.8	1.2	1.6	2.1	2.5	2.9	3.2	3.6	4.0
-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-LS-16-1200L-57-80-3R-S

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°	4.4	4.7	5.1	5.4	5.8	6.1	6.4	6.7	7.0	7.3	7.5
85°	8.8	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
82.5°	9.5	9.5	9.5	9.5	9.5	9.5	9.7	10.6	11.5	12.3	13.0
80°	9.5	9.5	10.8	12.2	13.5	14.8	16.0	17.2	18.4	19.4	20.5
77.5°	12.3	14.1	15.8	17.5	19.2	20.8	22.4	23.9	25.3	26.7	28.0
75°	16.5	18.7	20.8	22.8	24.8	26.8	28.7	30.5	32.2	33.8	35.4
72.5°	20.7	23.3	25.7	28.1	30.5	32.7	34.9	37.0	39.0	40.9	42.7
70°	24.9	27.8	30.6	33.3	36.0	38.6	41.1	43.5	45.8	48.7	52.9
67.5°	29.1	32.3	35.4	38.5	41.5	44.4	47.2	52.6	57.8	62.8	66.9
65°	33.1	36.7	40.2	43.6	47.0	53.1	59.3	65.4	68.7	71.4	74.1
62.5°	37.1	41.0	44.9	50.0	57.3	64.4	68.7	72.1	75.2	83.7	92.5
60°	41.0	45.3	51.7	59.9	67.0	70.9	74.6	83.6	94.1	104.4	120.5
57.5°	44.9	51.7	60.8	67.9	72.2	77.9	90.2	102.1	119.8	138.2	153.9
55°	50.0	59.9	67.9	72.6	80.6	94.2	109.7	131.0	151.5	163.4	174.7
52.5°	57.3	67.0	72.2	80.6	95.5	114.1	137.8	156.9	170.2	188.6	221.4
50°	64.4	70.9	77.9	94.2	114.1	140.0	159.7	174.3	203.5	240.1	295.3
47.5°	68.7	74.6	90.2	109.7	137.8	159.7	175.7	211.0	251.5	325.9	401.2
45°	72.1	83.6	102.1	131.0	156.9	174.3	211.0	255.3	341.3	432.5	547.8
42.5°	75.2	94.1	119.8	151.5	170.2	203.5	251.5	341.3	443.8	570.7	684.3
40°	83.7	104.4	138.2	163.4	188.6	240.1	325.9	432.5	570.7	694.5	807.5
37.5°	92.5	120.5	153.9	174.7	221.4	295.3	401.2	547.8	684.3	807.5	858.7
35°	100.9	135.8	163.9	195.5	252.6	362.5	502.4	654.0	786.8	854.4	884.7
32.5°	111.9	150.2	173.3	222.9	309.3	435.1	601.0	745.8	841.8	886.8	873.6
30°	124.3	158.8	186.6	248.8	365.2	521.9	685.2	821.0	879.0	876.9	1155.1
27.5°	135.8	166.3	208.8	290.5	422.4	603.2	761.4	853.8	882.3	966.3	1576.8
25°	146.4	173.3	229.3	335.3	492.3	671.7	820.8	884.3	874.1	1336.5	2724.7
22.5°	154.2	180.0	248.1	376.3	556.5	732.3	847.0	882.7	1007.7	1719.3	3989.8
20°	159.4	195.5	274.9	416.6	614.7	787.3	870.8	876.3	1299.7	2798.7	5957.8
17.5°	164.1	209.3	305.3	464.3	661.2	822.5	887.8	870.5	1562.5	3772.5	8116.1
15°	168.1	221.4	331.8	506.1	700.9	839.7	883.1	1053.9	2111.2	4893.2	10108.6
12.5°	171.6	231.6	354.5	541.8	734.8	854.5	879.1	1237.5	2794.6	6415.6	14130.0
10°	174.5	240.1	373.1	571.2	762.8	866.7	875.8	1389.5	3361.5	7680.5	17478.7
7.5°	176.7	246.7	387.7	594.2	784.7	876.3	873.2	1508.9	3807.3	8676.9	20121.5
5°	178.3	251.5	398.2	610.7	800.5	883.2	871.3	1594.9	4128.4	9395.6	22030.5
2.5°	179.3	254.3	404.5	620.7	809.9	887.3	870.2	1646.7	4322.2	9829.6	23184.6
0°	179.6	255.3	406.6	624.0	813.1	888.7	869.8	1664.0	4387.0	9974.8	23570.8
-2.5°	179.3	254.3	404.5	620.7	809.9	887.3	870.2	1646.7	4322.2	9829.6	23184.6
-5°	178.3	251.5	398.2	610.7	800.5	883.2	871.3	1594.9	4128.4	9395.6	22030.5
-7.5°	176.7	246.7	387.7	594.2	784.7	876.3	873.2	1508.9	3807.3	8676.9	20121.5
-10°	174.5	240.1	373.1	571.2	762.8	866.7	875.8	1389.5	3361.5	7680.5	17478.7
-12.5°	171.6	231.6	354.5	541.8	734.8	854.5	879.1	1237.5	2794.6	6415.6	14130.0
-15°	168.1	221.4	331.8	506.1	700.9	839.7	883.1	1053.9	2111.2	4893.2	10108.6
-17.5°	164.1	209.3	305.3	464.3	661.2	822.5	887.8	870.5	1562.5	3772.5	8116.1
-20°	159.4	195.5	274.9	416.6	614.7	787.3	870.8	876.3	1299.7	2798.7	5957.8



REPORT NUMBER: P699926 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-57-80-3R-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	154.2	180.0	248.1	376.3	556.5	732.3	847.0	882.7	1007.7	1719.3	3989.8
-25°	146.4	173.3	229.3	335.3	492.3	671.7	820.8	884.3	874.1	1336.5	2724.7
-27.5°	135.8	166.3	208.8	290.5	422.4	603.2	761.4	853.8	882.3	966.3	1576.8
-30°	124.3	158.8	186.6	248.8	365.2	521.9	685.2	821.0	879.0	876.9	1155.1
-32.5°	111.9	150.2	173.3	222.9	309.3	435.1	601.0	745.8	841.8	886.8	873.6
-35°	100.9	135.8	163.9	195.5	252.6	362.5	502.4	654.0	786.8	854.4	884.7
-37.5°	92.5	120.5	153.9	174.7	221.4	295.3	401.2	547.8	684.3	807.5	858.7
-40°	83.7	104.4	138.2	163.4	188.6	240.1	325.9	432.5	570.7	694.5	807.5
-42.5°	75.2	94.1	119.8	151.5	170.2	203.5	251.5	341.3	443.8	570.7	684.3
-45°	72.1	83.6	102.1	131.0	156.9	174.3	211.0	255.3	341.3	432.5	547.8
-47.5°	68.7	74.6	90.2	109.7	137.8	159.7	175.7	211.0	251.5	325.9	401.2
-50°	64.4	70.9	77.9	94.2	114.1	140.0	159.7	174.3	203.5	240.1	295.3
-52.5°	57.3	67.0	72.2	80.6	95.5	114.1	137.8	156.9	170.2	188.6	221.4
-55°	50.0	59.9	67.9	72.6	80.6	94.2	109.7	131.0	151.5	163.4	174.7
-57.5°	44.9	51.7	60.8	67.9	72.2	77.9	90.2	102.1	119.8	138.2	153.9
-60°	41.0	45.3	51.7	59.9	67.0	70.9	74.6	83.6	94.1	104.4	120.5
-62.5°	37.1	41.0	44.9	50.0	57.3	64.4	68.7	72.1	75.2	83.7	92.5
-65°	33.1	36.7	40.2	43.6	47.0	53.1	59.3	65.4	68.7	71.4	74.1
-67.5°	29.1	32.3	35.4	38.5	41.5	44.4	47.2	52.6	57.8	62.8	66.9
-70°	24.9	27.8	30.6	33.3	36.0	38.6	41.1	43.5	45.8	48.7	52.9
-72.5°	20.7	23.3	25.7	28.1	30.5	32.7	34.9	37.0	39.0	40.9	42.7
-75°	16.5	18.7	20.8	22.8	24.8	26.8	28.7	30.5	32.2	33.8	35.4
-77.5°	12.3	14.1	15.8	17.5	19.2	20.8	22.4	23.9	25.3	26.7	28.0
-80°	9.5	9.5	10.8	12.2	13.5	14.8	16.0	17.2	18.4	19.4	20.5
-82.5°	9.5	9.5	9.5	9.5	9.5	9.5	9.7	10.6	11.5	12.3	13.0
-85°	8.8	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
-87.5°	4.4	4.7	5.1	5.4	5.8	6.1	6.4	6.7	7.0	7.3	7.5
-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: P699926 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-57-80-3R-S

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°	7.8	8.0	8.2	8.4	8.6	8.8	8.9	9.1	9.2	9.3	9.4
85°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
82.5°	13.8	14.5	15.1	15.7	16.2	16.7	17.2	17.6	17.9	18.2	18.5
80°	21.5	22.4	23.3	24.1	24.8	25.5	26.1	26.6	27.1	27.5	27.8
77.5°	29.2	30.3	31.4	32.4	33.3	34.2	34.9	35.6	36.2	36.7	37.1
75°	36.8	38.2	39.5	40.7	41.9	42.9	43.8	44.6	45.3	45.9	46.4
72.5°	44.5	46.1	48.0	50.9	53.5	55.8	58.0	59.9	61.6	63.0	64.1
70°	56.9	60.6	64.2	66.8	68.3	69.7	70.9	72.0	72.9	73.7	74.4
67.5°	69.1	71.2	73.2	75.0	78.9	83.6	87.8	91.6	94.8	97.6	99.9
65°	78.5	85.6	92.3	98.5	104.4	113.1	121.0	128.0	134.1	139.3	143.6
62.5°	100.9	111.9	124.3	135.8	146.4	154.2	159.4	164.1	168.1	171.6	174.5
60°	135.8	150.2	158.8	166.3	173.3	180.0	195.5	209.3	221.4	231.6	240.1
57.5°	163.9	173.3	186.6	208.8	229.3	248.1	274.9	305.3	331.8	354.5	373.1
55°	195.5	222.9	248.8	290.5	335.3	376.3	416.6	464.3	506.1	541.8	571.2
52.5°	252.6	309.3	365.2	422.4	492.3	556.5	614.7	661.2	700.9	734.8	762.8
50°	362.5	435.1	521.9	603.2	671.7	732.3	787.3	822.5	839.7	854.5	866.7
47.5°	502.4	601.0	685.2	761.4	820.8	847.0	870.8	887.8	883.1	879.1	875.8
45°	654.0	745.8	821.0	853.8	884.3	882.7	876.3	870.5	1053.9	1237.5	1389.5
42.5°	786.8	841.8	879.0	882.3	874.1	1007.7	1299.7	1562.5	2111.2	2794.6	3361.5
40°	854.4	886.8	876.9	966.3	1336.5	1719.3	2798.7	3772.5	4893.2	6415.6	7680.5
37.5°	884.7	873.6	1155.1	1576.8	2724.7	3989.8	5957.8	8116.1	10108.6	14130.0	17478.7
35°	872.5	1250.6	1867.3	3408.7	5362.8	8148.1	11777.9	17448.1	22491.6	27335.7	31510.6
32.5°	1250.6	2036.0	3755.1	6456.3	9642.2	16428.4	23149.1	30095.7	36351.6	40890.3	43903.4
30°	1867.3	3755.1	6824.1	11009.1	19275.0	27554.5	35825.7	41951.4	46439.8	49655.3	50456.9
27.5°	3408.7	6456.3	11009.1	20233.6	29824.6	39273.0	45153.7	49704.8	50890.5	51930.5	52482.6
25°	5362.8	9642.2	19275.0	29824.6	40058.3	46786.0	50323.2	51744.5	52622.8	53335.1	54029.6
22.5°	8148.1	16428.4	27554.5	39273.0	46786.0	50532.3	52089.4	53051.1	54016.1	54956.5	56028.6
20°	11777.9	23149.1	35825.7	45153.7	50323.2	52089.4	53196.4	54384.4	55638.7	57425.8	59308.0
17.5°	17448.1	30095.7	41951.4	49704.8	51744.5	53051.1	54384.4	55980.3	58150.1	61739.9	65381.9
15°	22491.6	36351.6	46439.8	50890.5	52622.8	54016.1	55638.7	58150.1	62574.0	68904.3	77479.2
12.5°	27335.7	40890.3	49655.3	51930.5	53335.1	54956.5	57425.8	61739.9	68904.3	79561.8	99979.9
10°	31510.6	43903.4	50456.9	52482.6	54029.6	56028.6	59308.0	65381.9	77479.2	99979.9	129703.9
7.5°	34812.9	46293.4	51094.8	52922.5	54615.5	57155.1	61977.0	71473.0	90044.8	121114.9	171530.0
5°	37202.5	48026.7	51558.8	53243.5	55045.0	57985.6	63959.9	76225.1	102093.9	144894.4	228364.9
2.5°	38649.1	49077.5	51840.6	53438.9	55307.3	58495.1	65183.4	79181.5	109680.3	163383.7	303860.5
0°	39133.4	49429.6	51935.1	53504.6	55395.6	58666.9	65597.3	80186.0	112275.6	170829.1	333177.1
-2.5°	38649.1	49077.5	51840.6	53438.9	55307.3	58495.1	65183.4	79181.5	109680.3	163383.7	303860.5
-5°	37202.5	48026.7	51558.8	53243.5	55045.0	57985.6	63959.9	76225.1	102093.9	144894.4	228364.9
-7.5°	34812.9	46293.4	51094.8	52922.5	54615.5	57155.1	61977.0	71473.0	90044.8	121114.9	171530.0
-10°	31510.6	43903.4	50456.9	52482.6	54029.6	56028.6	59308.0	65381.9	77479.2	99979.9	129703.9
-12.5°	27335.7	40890.3	49655.3	51930.5	53335.1	54956.5	57425.8	61739.9	68904.3	79561.8	99979.9
-15°	22491.6	36351.6	46439.8	50890.5	52622.8	54016.1	55638.7	58150.1	62574.0	68904.3	77479.2
-17.5°	17448.1	30095.7	41951.4	49704.8	51744.5	53051.1	54384.4	55980.3	58150.1	61739.9	65381.9
-20°	11777.9	23149.1	35825.7	45153.7	50323.2	52089.4	53196.4	54384.4	55638.7	57425.8	59308.0



REPORT NUMBER: P699926 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-57-80-3R-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	8148.1	16428.4	27554.5	39273.0	46786.0	50532.3	52089.4	53051.1	54016.1	54956.5	56028.6
-25°	5362.8	9642.2	19275.0	29824.6	40058.3	46786.0	50323.2	51744.5	52622.8	53335.1	54029.6
-27.5°	3408.7	6456.3	11009.1	20233.6	29824.6	39273.0	45153.7	49704.8	50890.5	51930.5	52482.6
-30°	1867.3	3755.1	6824.1	11009.1	19275.0	27554.5	35825.7	41951.4	46439.8	49655.3	50456.9
-32.5°	1250.6	2036.0	3755.1	6456.3	9642.2	16428.4	23149.1	30095.7	36351.6	40890.3	43903.4
-35°	872.5	1250.6	1867.3	3408.7	5362.8	8148.1	11777.9	17448.1	22491.6	27335.7	31510.6
-37.5°	884.7	873.6	1155.1	1576.8	2724.7	3989.8	5957.8	8116.1	10108.6	14130.0	17478.7
-40°	854.4	886.8	876.9	966.3	1336.5	1719.3	2798.7	3772.5	4893.2	6415.6	7680.5
-42.5°	786.8	841.8	879.0	882.3	874.1	1007.7	1299.7	1562.5	2111.2	2794.6	3361.5
-45°	654.0	745.8	821.0	853.8	884.3	882.7	876.3	870.5	1053.9	1237.5	1389.5
-47.5°	502.4	601.0	685.2	761.4	820.8	847.0	870.8	887.8	883.1	879.1	875.8
-50°	362.5	435.1	521.9	603.2	671.7	732.3	787.3	822.5	839.7	854.5	866.7
-52.5°	252.6	309.3	365.2	422.4	492.3	556.5	614.7	661.2	700.9	734.8	762.8
-55°	195.5	222.9	248.8	290.5	335.3	376.3	416.6	464.3	506.1	541.8	571.2
-57.5°	163.9	173.3	186.6	208.8	229.3	248.1	274.9	305.3	331.8	354.5	373.1
-60°	135.8	150.2	158.8	166.3	173.3	180.0	195.5	209.3	221.4	231.6	240.1
-62.5°	100.9	111.9	124.3	135.8	146.4	154.2	159.4	164.1	168.1	171.6	174.5
-65°	78.5	85.6	92.3	98.5	104.4	113.1	121.0	128.0	134.1	139.3	143.6
-67.5°	69.1	71.2	73.2	75.0	78.9	83.6	87.8	91.6	94.8	97.6	99.9
-70°	56.9	60.6	64.2	66.8	68.3	69.7	70.9	72.0	72.9	73.7	74.4
-72.5°	44.5	46.1	48.0	50.9	53.5	55.8	58.0	59.9	61.6	63.0	64.1
-75°	36.8	38.2	39.5	40.7	41.9	42.9	43.8	44.6	45.3	45.9	46.4
-77.5°	29.2	30.3	31.4	32.4	33.3	34.2	34.9	35.6	36.2	36.7	37.1
-80°	21.5	22.4	23.3	24.1	24.8	25.5	26.1	26.6	27.1	27.5	27.8
-82.5°	13.8	14.5	15.1	15.7	16.2	16.7	17.2	17.6	17.9	18.2	18.5
-85°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
-87.5°	7.8	8.0	8.2	8.4	8.6	8.8	8.9	9.1	9.2	9.3	9.4
-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: P699926 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-57-80-3R-S

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°	9.4	9.5	9.5	9.5	9.5	9.5	9.4	9.4	9.3	9.2	9.1
85°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
82.5°	18.7	18.8	18.9	18.9	18.9	18.8	18.7	18.5	18.2	17.9	17.6
80°	28.1	28.3	28.4	28.4	28.4	28.3	28.1	27.8	27.5	27.1	26.6
77.5°	37.4	37.6	37.8	37.8	37.8	37.6	37.4	37.1	36.7	36.2	35.6
75°	46.8	47.1	47.2	47.3	47.2	47.1	46.8	46.4	45.9	45.3	44.6
72.5°	65.0	65.7	66.1	66.2	66.1	65.7	65.0	64.1	63.0	61.6	59.9
70°	74.9	75.3	75.5	75.6	75.5	75.3	74.9	74.4	73.7	72.9	72.0
67.5°	101.7	103.0	103.7	104.0	103.7	103.0	101.7	99.9	97.6	94.8	91.6
65°	147.0	149.4	150.8	151.3	150.8	149.4	147.0	143.6	139.3	134.1	128.0
62.5°	176.7	178.3	179.3	179.6	179.3	178.3	176.7	174.5	171.6	168.1	164.1
60°	246.7	251.5	254.3	255.3	254.3	251.5	246.7	240.1	231.6	221.4	209.3
57.5°	387.7	398.2	404.5	406.6	404.5	398.2	387.7	373.1	354.5	331.8	305.3
55°	594.2	610.7	620.7	624.0	620.7	610.7	594.2	571.2	541.8	506.1	464.3
52.5°	784.7	800.5	809.9	813.1	809.9	800.5	784.7	762.8	734.8	700.9	661.2
50°	876.3	883.2	887.3	888.7	887.3	883.2	876.3	866.7	854.5	839.7	822.5
47.5°	873.2	871.3	870.2	869.8	870.2	871.3	873.2	875.8	879.1	883.1	887.8
45°	1508.9	1594.9	1646.7	1664.0	1646.7	1594.9	1508.9	1389.5	1237.5	1053.9	870.5
42.5°	3807.3	4128.4	4322.2	4387.0	4322.2	4128.4	3807.3	3361.5	2794.6	2111.2	1562.5
40°	8676.9	9395.6	9829.6	9974.8	9829.6	9395.6	8676.9	7680.5	6415.6	4893.2	3772.5
37.5°	20121.5	22030.5	23184.6	23570.8	23184.6	22030.5	20121.5	17478.7	14130.0	10108.6	8116.1
35°	34812.9	37202.5	38649.1	39133.4	38649.1	37202.5	34812.9	31510.6	27335.7	22491.6	17448.1
32.5°	46293.4	48026.7	49077.5	49429.6	49077.5	48026.7	46293.4	43903.4	40890.3	36351.6	30095.7
30°	51094.8	51558.8	51840.6	51935.1	51840.6	51558.8	51094.8	50456.9	49655.3	46439.8	41951.4
27.5°	52922.5	53243.5	53438.9	53504.6	53438.9	53243.5	52922.5	52482.6	51930.5	50890.5	49704.8
25°	54615.5	55045.0	55307.3	55395.6	55307.3	55045.0	54615.5	54029.6	53335.1	52622.8	51744.5
22.5°	57155.1	57985.6	58495.1	58666.9	58495.1	57985.6	57155.1	56028.6	54956.5	54016.1	53051.1
20°	61977.0	63959.9	65183.4	65597.3	65183.4	63959.9	61977.0	59308.0	57425.8	55638.7	54384.4
17.5°	71473.0	76225.1	79181.5	80186.0	79181.5	76225.1	71473.0	65381.9	61739.9	58150.1	55980.3
15°	90044.8	102093.9	109680.3	112275.6	109680.3	102093.9	90044.8	77479.2	68904.3	62574.0	58150.1
12.5°	121114.9	144894.4	163383.7	170829.1	163383.7	144894.4	121114.9	99979.9	79561.8	68904.3	61739.9
10°	171530.0	228364.9	303860.5	333177.1	303860.5	228364.9	171530.0	129703.9	99979.9	77479.2	65381.9
7.5°	276270.8	493808.8	714996.0	788136.6	714996.0	493808.8	276270.8	171530.0	121114.9	90044.8	71473.0
5°	493808.8	866714.7	#####	#####	#####	866714.7	493808.8	228364.9	144894.4	102093.9	76225.1
2.5°	714996.0	#####	#####	#####	#####	#####	714996.0	303860.5	163383.7	109680.3	79181.5
0°	788136.6	#####	#####	#####	#####	#####	788136.6	333177.1	170829.1	112275.6	80186.0
-2.5°	714996.0	#####	#####	#####	#####	#####	714996.0	303860.5	163383.7	109680.3	79181.5
-5°	493808.8	866714.7	#####	#####	#####	866714.7	493808.8	228364.9	144894.4	102093.9	76225.1
-7.5°	276270.8	493808.8	714996.0	788136.6	714996.0	493808.8	276270.8	171530.0	121114.9	90044.8	71473.0
-10°	171530.0	228364.9	303860.5	333177.1	303860.5	228364.9	171530.0	129703.9	99979.9	77479.2	65381.9
-12.5°	121114.9	144894.4	163383.7	170829.1	163383.7	144894.4	121114.9	99979.9	79561.8	68904.3	61739.9
-15°	90044.8	102093.9	109680.3	112275.6	109680.3	102093.9	90044.8	77479.2	68904.3	62574.0	58150.1
-17.5°	71473.0	76225.1	79181.5	80186.0	79181.5	76225.1	71473.0	65381.9	61739.9	58150.1	55980.3
-20°	61977.0	63959.9	65183.4	65597.3	65183.4	63959.9	61977.0	59308.0	57425.8	55638.7	54384.4



REPORT NUMBER: P699926 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-57-80-3R-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	57155.1	57985.6	58495.1	58666.9	58495.1	57985.6	57155.1	56028.6	54956.5	54016.1	53051.1
-25°	54615.5	55045.0	55307.3	55395.6	55307.3	55045.0	54615.5	54029.6	53335.1	52622.8	51744.5
-27.5°	52922.5	53243.5	53438.9	53504.6	53438.9	53243.5	52922.5	52482.6	51930.5	50890.5	49704.8
-30°	51094.8	51558.8	51840.6	51935.1	51840.6	51558.8	51094.8	50456.9	49655.3	46439.8	41951.4
-32.5°	46293.4	48026.7	49077.5	49429.6	49077.5	48026.7	46293.4	43903.4	40890.3	36351.6	30095.7
-35°	34812.9	37202.5	38649.1	39133.4	38649.1	37202.5	34812.9	31510.6	27335.7	22491.6	17448.1
-37.5°	20121.5	22030.5	23184.6	23570.8	23184.6	22030.5	20121.5	17478.7	14130.0	10108.6	8116.1
-40°	8676.9	9395.6	9829.6	9974.8	9829.6	9395.6	8676.9	7680.5	6415.6	4893.2	3772.5
-42.5°	3807.3	4128.4	4322.2	4387.0	4322.2	4128.4	3807.3	3361.5	2794.6	2111.2	1562.5
-45°	1508.9	1594.9	1646.7	1664.0	1646.7	1594.9	1508.9	1389.5	1237.5	1053.9	870.5
-47.5°	873.2	871.3	870.2	869.8	870.2	871.3	873.2	875.8	879.1	883.1	887.8
-50°	876.3	883.2	887.3	888.7	887.3	883.2	876.3	866.7	854.5	839.7	822.5
-52.5°	784.7	800.5	809.9	813.1	809.9	800.5	784.7	762.8	734.8	700.9	661.2
-55°	594.2	610.7	620.7	624.0	620.7	610.7	594.2	571.2	541.8	506.1	464.3
-57.5°	387.7	398.2	404.5	406.6	404.5	398.2	387.7	373.1	354.5	331.8	305.3
-60°	246.7	251.5	254.3	255.3	254.3	251.5	246.7	240.1	231.6	221.4	209.3
-62.5°	176.7	178.3	179.3	179.6	179.3	178.3	176.7	174.5	171.6	168.1	164.1
-65°	147.0	149.4	150.8	151.3	150.8	149.4	147.0	143.6	139.3	134.1	128.0
-67.5°	101.7	103.0	103.7	104.0	103.7	103.0	101.7	99.9	97.6	94.8	91.6
-70°	74.9	75.3	75.5	75.6	75.5	75.3	74.9	74.4	73.7	72.9	72.0
-72.5°	65.0	65.7	66.1	66.2	66.1	65.7	65.0	64.1	63.0	61.6	59.9
-75°	46.8	47.1	47.2	47.3	47.2	47.1	46.8	46.4	45.9	45.3	44.6
-77.5°	37.4	37.6	37.8	37.8	37.8	37.6	37.4	37.1	36.7	36.2	35.6
-80°	28.1	28.3	28.4	28.4	28.4	28.3	28.1	27.8	27.5	27.1	26.6
-82.5°	18.7	18.8	18.9	18.9	18.9	18.8	18.7	18.5	18.2	17.9	17.6
-85°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
-87.5°	9.4	9.5	9.5	9.5	9.5	9.5	9.4	9.4	9.3	9.2	9.1
-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: P699926 (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°
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°	8.9	8.8	8.6	8.4	8.2	8.0	7.8	7.5	7.3	7.0	6.7
85°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
82.5°	17.2	16.7	16.2	15.7	15.1	14.5	13.8	13.0	12.3	11.5	10.6
80°	26.1	25.5	24.8	24.1	23.3	22.4	21.5	20.5	19.4	18.4	17.2
77.5°	34.9	34.2	33.3	32.4	31.4	30.3	29.2	28.0	26.7	25.3	23.9
75°	43.8	42.9	41.9	40.7	39.5	38.2	36.8	35.4	33.8	32.2	30.5
72.5°	58.0	55.8	53.5	50.9	48.0	46.1	44.5	42.7	40.9	39.0	37.0
70°	70.9	69.7	68.3	66.8	64.2	60.6	56.9	52.9	48.7	45.8	43.5
67.5°	87.8	83.6	78.9	75.0	73.2	71.2	69.1	66.9	62.8	57.8	52.6
65°	121.0	113.1	104.4	98.5	92.3	85.6	78.5	74.1	71.4	68.7	65.4
62.5°	159.4	154.2	146.4	135.8	124.3	111.9	100.9	92.5	83.7	75.2	72.1
60°	195.5	180.0	173.3	166.3	158.8	150.2	135.8	120.5	104.4	94.1	83.6
57.5°	274.9	248.1	229.3	208.8	186.6	173.3	163.9	153.9	138.2	119.8	102.1
55°	416.6	376.3	335.3	290.5	248.8	222.9	195.5	174.7	163.4	151.5	131.0
52.5°	614.7	556.5	492.3	422.4	365.2	309.3	252.6	221.4	188.6	170.2	156.9
50°	787.3	732.3	671.7	603.2	521.9	435.1	362.5	295.3	240.1	203.5	174.3
47.5°	870.8	847.0	820.8	761.4	685.2	601.0	502.4	401.2	325.9	251.5	211.0
45°	876.3	882.7	884.3	853.8	821.0	745.8	654.0	547.8	432.5	341.3	255.3
42.5°	1299.7	1007.7	874.1	882.3	879.0	841.8	786.8	684.3	570.7	443.8	341.3
40°	2798.7	1719.3	1336.5	966.3	876.9	886.8	854.4	807.5	694.5	570.7	432.5
37.5°	5957.8	3989.8	2724.7	1576.8	1155.1	873.6	884.7	858.7	807.5	684.3	547.8
35°	11777.9	8148.1	5362.8	3408.7	1867.3	1250.6	872.5	884.7	854.4	786.8	654.0
32.5°	23149.1	16428.4	9642.2	6456.3	3755.1	2036.0	1250.6	873.6	886.8	841.8	745.8
30°	35825.7	27554.5	19275.0	11009.1	6824.1	3755.1	1867.3	1155.1	876.9	879.0	821.0
27.5°	45153.7	39273.0	29824.6	20233.6	11009.1	6456.3	3408.7	1576.8	966.3	882.3	853.8
25°	50323.2	46786.0	40058.3	29824.6	19275.0	9642.2	5362.8	2724.7	1336.5	874.1	884.3
22.5°	52089.4	50532.3	46786.0	39273.0	27554.5	16428.4	8148.1	3989.8	1719.3	1007.7	882.7
20°	53196.4	52089.4	50323.2	45153.7	35825.7	23149.1	11777.9	5957.8	2798.7	1299.7	876.3
17.5°	54384.4	53051.1	51744.5	49704.8	41951.4	30095.7	17448.1	8116.1	3772.5	1562.5	870.5
15°	55638.7	54016.1	52622.8	50890.5	46439.8	36351.6	22491.6	10108.6	4893.2	2111.2	1053.9
12.5°	57425.8	54956.5	53335.1	51930.5	49655.3	40890.3	27335.7	14130.0	6415.6	2794.6	1237.5
10°	59308.0	56028.6	54029.6	52482.6	50456.9	43903.4	31510.6	17478.7	7680.5	3361.5	1389.5
7.5°	61977.0	57155.1	54615.5	52922.5	51094.8	46293.4	34812.9	20121.5	8676.9	3807.3	1508.9
5°	63959.9	57985.6	55045.0	53243.5	51558.8	48026.7	37202.5	22030.5	9395.6	4128.4	1594.9
2.5°	65183.4	58495.1	55307.3	53438.9	51840.6	49077.5	38649.1	23184.6	9829.6	4322.2	1646.7
0°	65597.3	58666.9	55395.6	53504.6	51935.1	49429.6	39133.4	23570.8	9974.8	4387.0	1664.0
-2.5°	65183.4	58495.1	55307.3	53438.9	51840.6	49077.5	38649.1	23184.6	9829.6	4322.2	1646.7
-5°	63959.9	57985.6	55045.0	53243.5	51558.8	48026.7	37202.5	22030.5	9395.6	4128.4	1594.9
-7.5°	61977.0	57155.1	54615.5	52922.5	51094.8	46293.4	34812.9	20121.5	8676.9	3807.3	1508.9
-10°	59308.0	56028.6	54029.6	52482.6	50456.9	43903.4	31510.6	17478.7	7680.5	3361.5	1389.5
-12.5°	57425.8	54956.5	53335.1	51930.5	49655.3	40890.3	27335.7	14130.0	6415.6	2794.6	1237.5
-15°	55638.7	54016.1	52622.8	50890.5	46439.8	36351.6	22491.6	10108.6	4893.2	2111.2	1053.9
-17.5°	54384.4	53051.1	51744.5	49704.8	41951.4	30095.7	17448.1	8116.1	3772.5	1562.5	870.5
-20°	53196.4	52089.4	50323.2	45153.7	35825.7	23149.1	11777.9	5957.8	2798.7	1299.7	876.3



REPORT NUMBER: P699926 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-57-80-3R-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	52089.4	50532.3	46786.0	39273.0	27554.5	16428.4	8148.1	3989.8	1719.3	1007.7	882.7
-25°	50323.2	46786.0	40058.3	29824.6	19275.0	9642.2	5362.8	2724.7	1336.5	874.1	884.3
-27.5°	45153.7	39273.0	29824.6	20233.6	11009.1	6456.3	3408.7	1576.8	966.3	882.3	853.8
-30°	35825.7	27554.5	19275.0	11009.1	6824.1	3755.1	1867.3	1155.1	876.9	879.0	821.0
-32.5°	23149.1	16428.4	9642.2	6456.3	3755.1	2036.0	1250.6	873.6	886.8	841.8	745.8
-35°	11777.9	8148.1	5362.8	3408.7	1867.3	1250.6	872.5	884.7	854.4	786.8	654.0
-37.5°	5957.8	3989.8	2724.7	1576.8	1155.1	873.6	884.7	858.7	807.5	684.3	547.8
-40°	2798.7	1719.3	1336.5	966.3	876.9	886.8	854.4	807.5	694.5	570.7	432.5
-42.5°	1299.7	1007.7	874.1	882.3	879.0	841.8	786.8	684.3	570.7	443.8	341.3
-45°	876.3	882.7	884.3	853.8	821.0	745.8	654.0	547.8	432.5	341.3	255.3
-47.5°	870.8	847.0	820.8	761.4	685.2	601.0	502.4	401.2	325.9	251.5	211.0
-50°	787.3	732.3	671.7	603.2	521.9	435.1	362.5	295.3	240.1	203.5	174.3
-52.5°	614.7	556.5	492.3	422.4	365.2	309.3	252.6	221.4	188.6	170.2	156.9
-55°	416.6	376.3	335.3	290.5	248.8	222.9	195.5	174.7	163.4	151.5	131.0
-57.5°	274.9	248.1	229.3	208.8	186.6	173.3	163.9	153.9	138.2	119.8	102.1
-60°	195.5	180.0	173.3	166.3	158.8	150.2	135.8	120.5	104.4	94.1	83.6
-62.5°	159.4	154.2	146.4	135.8	124.3	111.9	100.9	92.5	83.7	75.2	72.1
-65°	121.0	113.1	104.4	98.5	92.3	85.6	78.5	74.1	71.4	68.7	65.4
-67.5°	87.8	83.6	78.9	75.0	73.2	71.2	69.1	66.9	62.8	57.8	52.6
-70°	70.9	69.7	68.3	66.8	64.2	60.6	56.9	52.9	48.7	45.8	43.5
-72.5°	58.0	55.8	53.5	50.9	48.0	46.1	44.5	42.7	40.9	39.0	37.0
-75°	43.8	42.9	41.9	40.7	39.5	38.2	36.8	35.4	33.8	32.2	30.5
-77.5°	34.9	34.2	33.3	32.4	31.4	30.3	29.2	28.0	26.7	25.3	23.9
-80°	26.1	25.5	24.8	24.1	23.3	22.4	21.5	20.5	19.4	18.4	17.2
-82.5°	17.2	16.7	16.2	15.7	15.1	14.5	13.8	13.0	12.3	11.5	10.6
-85°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
-87.5°	8.9	8.8	8.6	8.4	8.2	8.0	7.8	7.5	7.3	7.0	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



REPORT NUMBER: P699926 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-57-80-3R-S

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°	6.4	6.1	5.8	5.4	5.1	4.7	4.4	4.0	3.6	3.2	2.9
85°	9.5	9.5	9.5	9.5	9.5	9.5	8.8	8.0	7.3	6.5	5.7
82.5°	9.7	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	8.5
80°	16.0	14.8	13.5	12.2	10.8	9.5	9.5	9.5	9.5	9.5	9.5
77.5°	22.4	20.8	19.2	17.5	15.8	14.1	12.3	10.4	9.5	9.5	9.5
75°	28.7	26.8	24.8	22.8	20.8	18.7	16.5	14.3	12.1	9.8	9.5
72.5°	34.9	32.7	30.5	28.1	25.7	23.3	20.7	18.2	15.5	12.9	10.2
70°	41.1	38.6	36.0	33.3	30.6	27.8	24.9	22.0	19.0	16.0	12.9
67.5°	47.2	44.4	41.5	38.5	35.4	32.3	29.1	25.8	22.4	19.0	15.5
65°	59.3	53.1	47.0	43.6	40.2	36.7	33.1	29.5	25.8	22.0	18.2
62.5°	68.7	64.4	57.3	50.0	44.9	41.0	37.1	33.1	29.1	24.9	20.7
60°	74.6	70.9	67.0	59.9	51.7	45.3	41.0	36.7	32.3	27.8	23.3
57.5°	90.2	77.9	72.2	67.9	60.8	51.7	44.9	40.2	35.4	30.6	25.7
55°	109.7	94.2	80.6	72.6	67.9	59.9	50.0	43.6	38.5	33.3	28.1
52.5°	137.8	114.1	95.5	80.6	72.2	67.0	57.3	47.0	41.5	36.0	30.5
50°	159.7	140.0	114.1	94.2	77.9	70.9	64.4	53.1	44.4	38.6	32.7
47.5°	175.7	159.7	137.8	109.7	90.2	74.6	68.7	59.3	47.2	41.1	34.9
45°	211.0	174.3	156.9	131.0	102.1	83.6	72.1	65.4	52.6	43.5	37.0
42.5°	251.5	203.5	170.2	151.5	119.8	94.1	75.2	68.7	57.8	45.8	39.0
40°	325.9	240.1	188.6	163.4	138.2	104.4	83.7	71.4	62.8	48.7	40.9
37.5°	401.2	295.3	221.4	174.7	153.9	120.5	92.5	74.1	66.9	52.9	42.7
35°	502.4	362.5	252.6	195.5	163.9	135.8	100.9	78.5	69.1	56.9	44.5
32.5°	601.0	435.1	309.3	222.9	173.3	150.2	111.9	85.6	71.2	60.6	46.1
30°	685.2	521.9	365.2	248.8	186.6	158.8	124.3	92.3	73.2	64.2	48.0
27.5°	761.4	603.2	422.4	290.5	208.8	166.3	135.8	98.5	75.0	66.8	50.9
25°	820.8	671.7	492.3	335.3	229.3	173.3	146.4	104.4	78.9	68.3	53.5
22.5°	847.0	732.3	556.5	376.3	248.1	180.0	154.2	113.1	83.6	69.7	55.8
20°	870.8	787.3	614.7	416.6	274.9	195.5	159.4	121.0	87.8	70.9	58.0
17.5°	887.8	822.5	661.2	464.3	305.3	209.3	164.1	128.0	91.6	72.0	59.9
15°	883.1	839.7	700.9	506.1	331.8	221.4	168.1	134.1	94.8	72.9	61.6
12.5°	879.1	854.5	734.8	541.8	354.5	231.6	171.6	139.3	97.6	73.7	63.0
10°	875.8	866.7	762.8	571.2	373.1	240.1	174.5	143.6	99.9	74.4	64.1
7.5°	873.2	876.3	784.7	594.2	387.7	246.7	176.7	147.0	101.7	74.9	65.0
5°	871.3	883.2	800.5	610.7	398.2	251.5	178.3	149.4	103.0	75.3	65.7
2.5°	870.2	887.3	809.9	620.7	404.5	254.3	179.3	150.8	103.7	75.5	66.1
0°	869.8	888.7	813.1	624.0	406.6	255.3	179.6	151.3	104.0	75.6	66.2
-2.5°	870.2	887.3	809.9	620.7	404.5	254.3	179.3	150.8	103.7	75.5	66.1
-5°	871.3	883.2	800.5	610.7	398.2	251.5	178.3	149.4	103.0	75.3	65.7
-7.5°	873.2	876.3	784.7	594.2	387.7	246.7	176.7	147.0	101.7	74.9	65.0
-10°	875.8	866.7	762.8	571.2	373.1	240.1	174.5	143.6	99.9	74.4	64.1
-12.5°	879.1	854.5	734.8	541.8	354.5	231.6	171.6	139.3	97.6	73.7	63.0
-15°	883.1	839.7	700.9	506.1	331.8	221.4	168.1	134.1	94.8	72.9	61.6
-17.5°	887.8	822.5	661.2	464.3	305.3	209.3	164.1	128.0	91.6	72.0	59.9
-20°	870.8	787.3	614.7	416.6	274.9	195.5	159.4	121.0	87.8	70.9	58.0



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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°	847.0	732.3	556.5	376.3	248.1	180.0	154.2	113.1	83.6	69.7	55.8
-25°	820.8	671.7	492.3	335.3	229.3	173.3	146.4	104.4	78.9	68.3	53.5
-27.5°	761.4	603.2	422.4	290.5	208.8	166.3	135.8	98.5	75.0	66.8	50.9
-30°	685.2	521.9	365.2	248.8	186.6	158.8	124.3	92.3	73.2	64.2	48.0
-32.5°	601.0	435.1	309.3	222.9	173.3	150.2	111.9	85.6	71.2	60.6	46.1
-35°	502.4	362.5	252.6	195.5	163.9	135.8	100.9	78.5	69.1	56.9	44.5
-37.5°	401.2	295.3	221.4	174.7	153.9	120.5	92.5	74.1	66.9	52.9	42.7
-40°	325.9	240.1	188.6	163.4	138.2	104.4	83.7	71.4	62.8	48.7	40.9
-42.5°	251.5	203.5	170.2	151.5	119.8	94.1	75.2	68.7	57.8	45.8	39.0
-45°	211.0	174.3	156.9	131.0	102.1	83.6	72.1	65.4	52.6	43.5	37.0
-47.5°	175.7	159.7	137.8	109.7	90.2	74.6	68.7	59.3	47.2	41.1	34.9
-50°	159.7	140.0	114.1	94.2	77.9	70.9	64.4	53.1	44.4	38.6	32.7
-52.5°	137.8	114.1	95.5	80.6	72.2	67.0	57.3	47.0	41.5	36.0	30.5
-55°	109.7	94.2	80.6	72.6	67.9	59.9	50.0	43.6	38.5	33.3	28.1
-57.5°	90.2	77.9	72.2	67.9	60.8	51.7	44.9	40.2	35.4	30.6	25.7
-60°	74.6	70.9	67.0	59.9	51.7	45.3	41.0	36.7	32.3	27.8	23.3
-62.5°	68.7	64.4	57.3	50.0	44.9	41.0	37.1	33.1	29.1	24.9	20.7
-65°	59.3	53.1	47.0	43.6	40.2	36.7	33.1	29.5	25.8	22.0	18.2
-67.5°	47.2	44.4	41.5	38.5	35.4	32.3	29.1	25.8	22.4	19.0	15.5
-70°	41.1	38.6	36.0	33.3	30.6	27.8	24.9	22.0	19.0	16.0	12.9
-72.5°	34.9	32.7	30.5	28.1	25.7	23.3	20.7	18.2	15.5	12.9	10.2
-75°	28.7	26.8	24.8	22.8	20.8	18.7	16.5	14.3	12.1	9.8	9.5
-77.5°	22.4	20.8	19.2	17.5	15.8	14.1	12.3	10.4	9.5	9.5	9.5
-80°	16.0	14.8	13.5	12.2	10.8	9.5	9.5	9.5	9.5	9.5	9.5
-82.5°	9.7	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	8.5
-85°	9.5	9.5	9.5	9.5	9.5	9.5	8.8	8.0	7.3	6.5	5.7
-87.5°	6.4	6.1	5.8	5.4	5.1	4.7	4.4	4.0	3.6	3.2	2.9
-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°	2.5	2.1	1.6	1.2	0.8	0.4	0.0
85°	4.9	4.1	3.3	2.5	1.7	0.8	0.0
82.5°	7.4	6.2	4.9	3.7	2.5	1.2	0.0
80°	9.5	8.2	6.6	4.9	3.3	1.6	0.0
77.5°	9.5	9.5	8.2	6.2	4.1	2.1	0.0
75°	9.5	9.5	9.5	7.4	4.9	2.5	0.0
72.5°	9.5	9.5	9.5	8.5	5.7	2.9	0.0
70°	9.8	9.5	9.5	9.5	6.5	3.2	0.0
67.5°	12.1	9.5	9.5	9.5	7.3	3.6	0.0
65°	14.3	10.4	9.5	9.5	8.0	4.0	0.0
62.5°	16.5	12.3	9.5	9.5	8.8	4.4	0.0
60°	18.7	14.1	9.5	9.5	9.5	4.7	0.0
57.5°	20.8	15.8	10.8	9.5	9.5	5.1	0.0
55°	22.8	17.5	12.2	9.5	9.5	5.4	0.0
52.5°	24.8	19.2	13.5	9.5	9.5	5.8	0.0
50°	26.8	20.8	14.8	9.5	9.5	6.1	0.0
47.5°	28.7	22.4	16.0	9.7	9.5	6.4	0.0
45°	30.5	23.9	17.2	10.6	9.5	6.7	0.0
42.5°	32.2	25.3	18.4	11.5	9.5	7.0	0.0
40°	33.8	26.7	19.4	12.3	9.5	7.3	0.0
37.5°	35.4	28.0	20.5	13.0	9.5	7.5	0.0
35°	36.8	29.2	21.5	13.8	9.5	7.8	0.0
32.5°	38.2	30.3	22.4	14.5	9.5	8.0	0.0
30°	39.5	31.4	23.3	15.1	9.5	8.2	0.0
27.5°	40.7	32.4	24.1	15.7	9.5	8.4	0.0
25°	41.9	33.3	24.8	16.2	9.5	8.6	0.0
22.5°	42.9	34.2	25.5	16.7	9.5	8.8	0.0
20°	43.8	34.9	26.1	17.2	9.5	8.9	0.0
17.5°	44.6	35.6	26.6	17.6	9.5	9.1	0.0
15°	45.3	36.2	27.1	17.9	9.5	9.2	0.0
12.5°	45.9	36.7	27.5	18.2	9.5	9.3	0.0
10°	46.4	37.1	27.8	18.5	9.5	9.4	0.0
7.5°	46.8	37.4	28.1	18.7	9.5	9.4	0.0
5°	47.1	37.6	28.3	18.8	9.5	9.5	0.0
2.5°	47.2	37.8	28.4	18.9	9.5	9.5	0.0
0°	47.3	37.8	28.4	18.9	9.5	9.5	0.0
-2.5°	47.2	37.8	28.4	18.9	9.5	9.5	0.0
-5°	47.1	37.6	28.3	18.8	9.5	9.5	0.0
-7.5°	46.8	37.4	28.1	18.7	9.5	9.4	0.0
-10°	46.4	37.1	27.8	18.5	9.5	9.4	0.0
-12.5°	45.9	36.7	27.5	18.2	9.5	9.3	0.0
-15°	45.3	36.2	27.1	17.9	9.5	9.2	0.0
-17.5°	44.6	35.6	26.6	17.6	9.5	9.1	0.0
-20°	43.8	34.9	26.1	17.2	9.5	8.9	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	42.9	34.2	25.5	16.7	9.5	8.8	0.0
-25°	41.9	33.3	24.8	16.2	9.5	8.6	0.0
-27.5°	40.7	32.4	24.1	15.7	9.5	8.4	0.0
-30°	39.5	31.4	23.3	15.1	9.5	8.2	0.0
-32.5°	38.2	30.3	22.4	14.5	9.5	8.0	0.0
-35°	36.8	29.2	21.5	13.8	9.5	7.8	0.0
-37.5°	35.4	28.0	20.5	13.0	9.5	7.5	0.0
-40°	33.8	26.7	19.4	12.3	9.5	7.3	0.0
-42.5°	32.2	25.3	18.4	11.5	9.5	7.0	0.0
-45°	30.5	23.9	17.2	10.6	9.5	6.7	0.0
-47.5°	28.7	22.4	16.0	9.7	9.5	6.4	0.0
-50°	26.8	20.8	14.8	9.5	9.5	6.1	0.0
-52.5°	24.8	19.2	13.5	9.5	9.5	5.8	0.0
-55°	22.8	17.5	12.2	9.5	9.5	5.4	0.0
-57.5°	20.8	15.8	10.8	9.5	9.5	5.1	0.0
-60°	18.7	14.1	9.5	9.5	9.5	4.7	0.0
-62.5°	16.5	12.3	9.5	9.5	8.8	4.4	0.0
-65°	14.3	10.4	9.5	9.5	8.0	4.0	0.0
-67.5°	12.1	9.5	9.5	9.5	7.3	3.6	0.0
-70°	9.8	9.5	9.5	9.5	6.5	3.2	0.0
-72.5°	9.5	9.5	9.5	8.5	5.7	2.9	0.0
-75°	9.5	9.5	9.5	7.4	4.9	2.5	0.0
-77.5°	9.5	9.5	8.2	6.2	4.1	2.1	0.0
-80°	9.5	8.2	6.6	4.9	3.3	1.6	0.0
-82.5°	7.4	6.2	4.9	3.7	2.5	1.2	0.0
-85°	4.9	4.1	3.3	2.5	1.7	0.8	0.0
-87.5°	2.5	2.1	1.6	1.2	0.8	0.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)