

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: P699915 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-16-1200L-57-70-4R-S**

Issue Date: 8/10/2023

Test Information

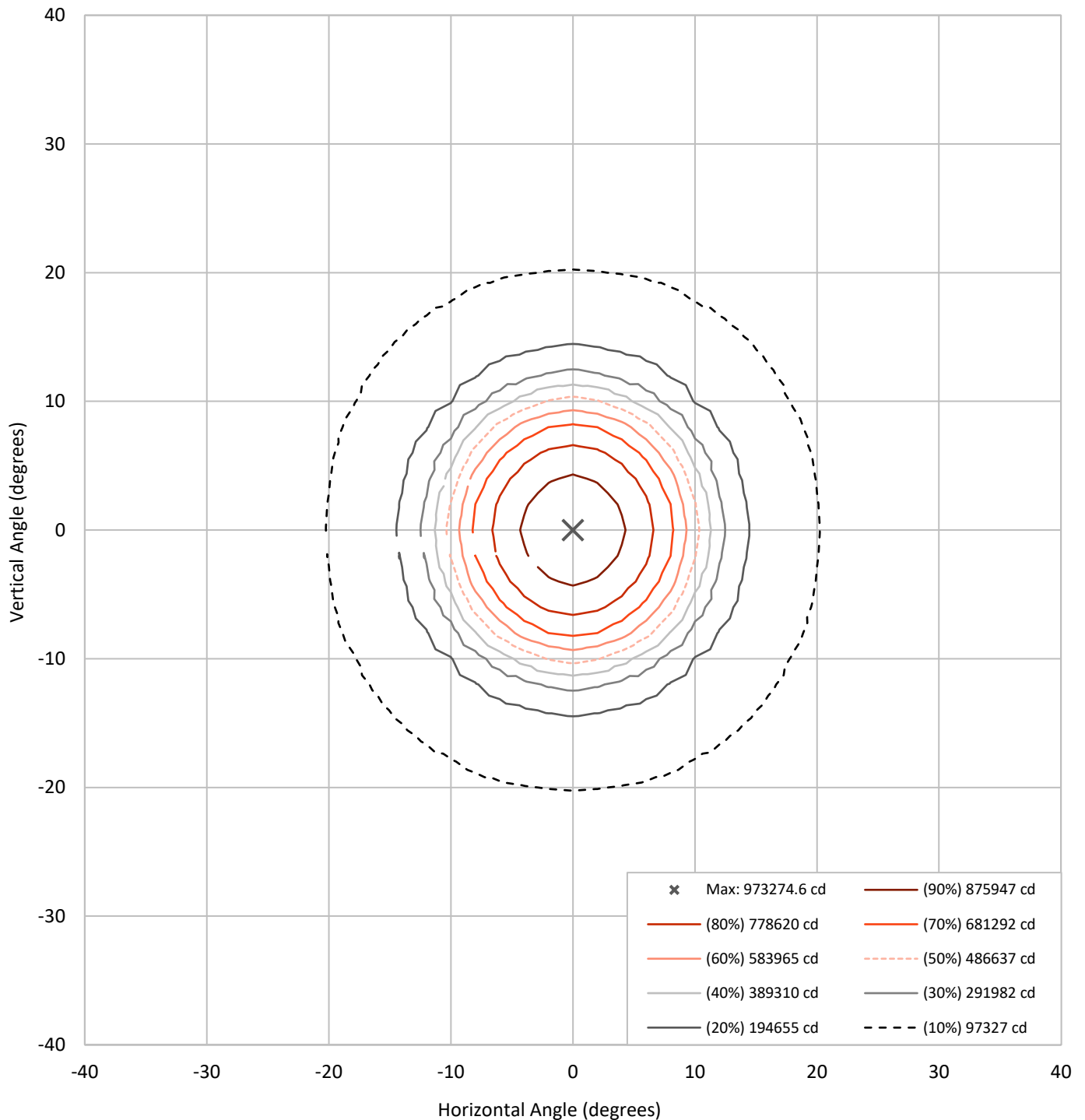
Test Method: LM-79-08
Report Number: P699915 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-17)
Test Lab: INNOVATION CENTER
Issue Date: 8/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS-16-1200L-57-70-4R-S
Description: EPHEBUS LUMASPORT 16 LUMINAIRE
(16) 5700K, 70 CRI LEDS AND 4R BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	189389.8 lumens	Max Intensity:	973274.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	156.0 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		
Beam Angle (50%):	20.7°H x 20.7°V	Field Angle (10%):	40.5°H x 40.5°V
Beam Lumens:	72706.6 lumens	Field Lumens:	128330.1 lumens
Beam Efficiency:	38.4%	Field Efficiency:	67.8%
Input Watts (W):	1214.1		
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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Iso-Candela Plot





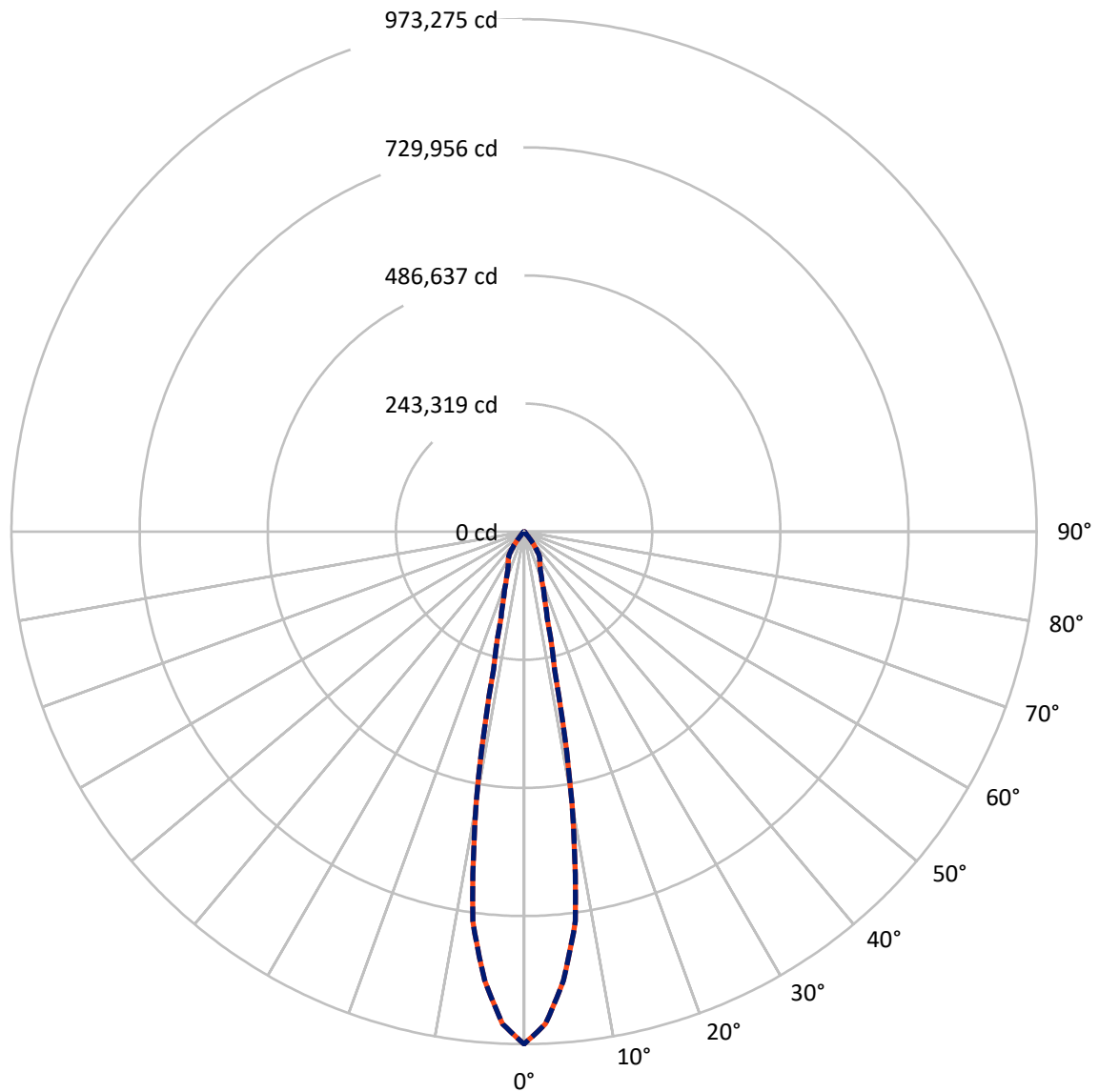
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Lumen Table

90	0.3	1.4		3.2		5.0		5.8		5.0		3.2		1.4		0.3
80	0.3	1.4		3.2		5.0		5.8		5.0		3.2		1.4		0.3
70	0.6	0.6	1.1	1.9	3.0	4.2	5.5	6.2	6.2	5.5	4.2	3.0	1.9	1.1	0.6	0.6
60		0.8	1.8	3.9	7.4	12.5	17.2	19.7	19.7	17.2	12.5	7.4	3.9	1.8	0.8	
50	1.0	1.2	3.1	8.2	17.2	31.6	72.5	121.4	121.4	72.5	31.6	17.2	8.2	3.1	1.2	1.0
40		1.6	5.3	14.9	46.2	274.4	777.2	1136.7	1136.7	777.2	274.4	46.2	14.9	5.3	1.6	
30	1.2	2.0	8.1	24.9	250.7	1106.6	1797.8	2173.4	2173.4	1797.8	1106.6	250.7	24.9	8.1	2.0	1.2
20		2.5	10.4	54.5	668.1	1689.4	2821.3	5427.8	5427.8	2821.3	1689.4	668.1	54.5	10.4	2.5	
10	1.3	2.7	11.6	89.2	945.9	1982.8	5285.2	20378.9	20378.9	5285.2	1982.8	945.9	89.2	11.6	2.7	1.3
0		2.7	11.6	89.2	945.9	1982.8	5285.2	20378.9	20378.9	5285.2	1982.8	945.9	89.2	11.6	2.7	
-10	1.2	2.5	10.4	54.5	668.1	1689.4	2821.3	5427.8	5427.8	2821.3	1689.4	668.1	54.5	10.4	2.5	1.2
-20		2.0	8.1	24.9	250.7	1106.6	1797.8	2173.4	2173.4	1797.8	1106.6	250.7	24.9	8.1	2.0	
-30	1.0	1.6	5.3	14.9	46.2	274.4	777.2	1136.7	1136.7	777.2	274.4	46.2	14.9	5.3	1.6	1.0
-40		1.2	3.1	8.2	17.2	31.6	72.5	121.4	121.4	72.5	31.6	17.2	8.2	3.1	1.2	
-50	0.6	0.8	1.8	3.9	7.4	12.5	17.2	19.7	19.7	17.2	12.5	7.4	3.9	1.8	0.8	0.6
-60		0.6	1.1	1.9	3.0	4.2	5.5	6.2	6.2	5.5	4.2	3.0	1.9	1.1	0.6	
-70	0.3	1.4		3.2		5.0		5.8		5.0		3.2		1.4		0.3
-80		1.4		3.2		5.0		5.8		5.0		3.2		1.4		
-90	0.3	1.4		3.2		5.0		5.8		5.0		3.2		1.4		0.3

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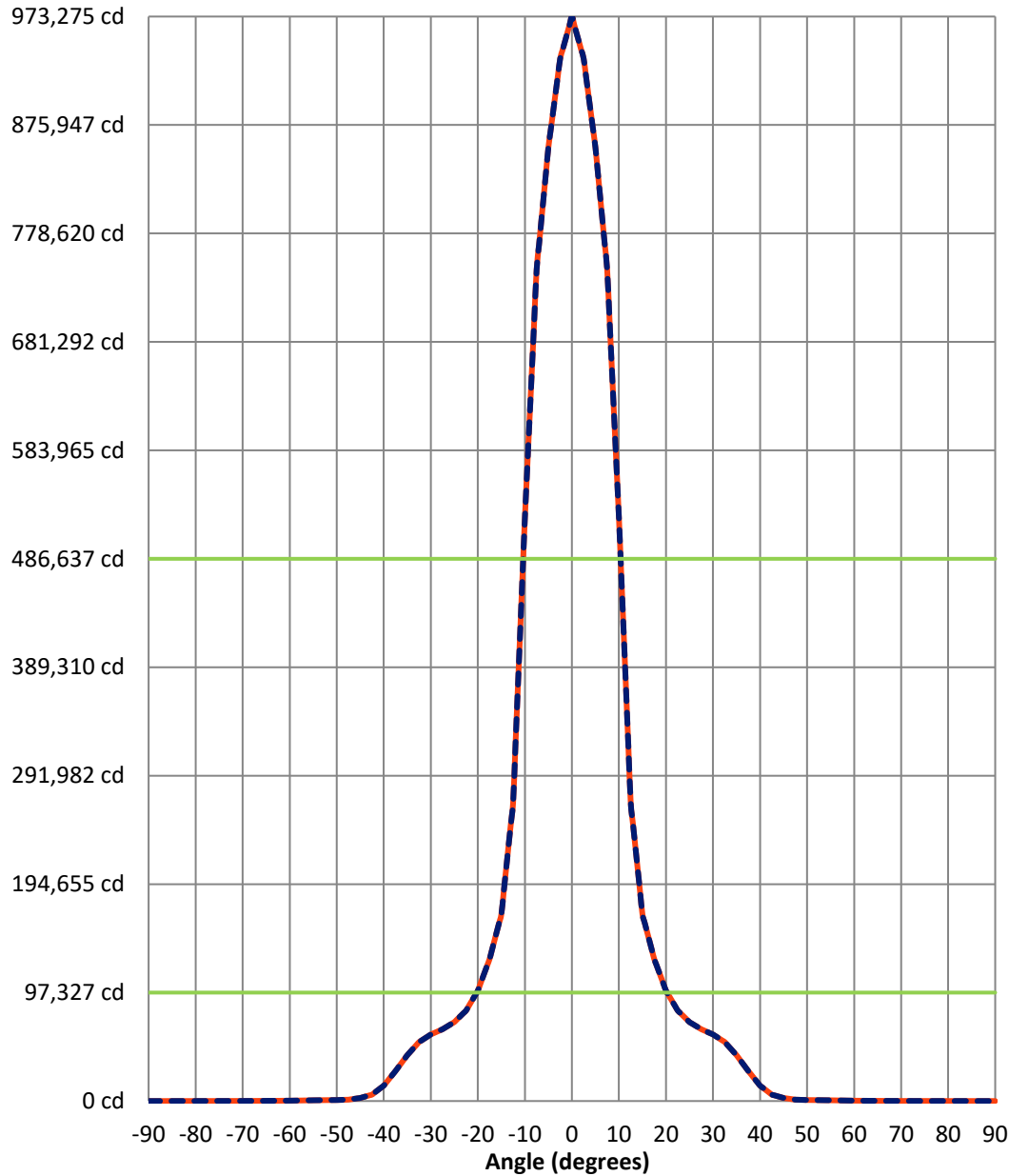
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 20.7°
V Angle: 20.7°
Lumens: 72706.6
Efficiency: 38.4%

Field:
H Angle: 40.5°
V Angle: 40.5°
Lumens: 128330.1
Efficiency: 67.8%

Spill:
Lumens: 61059.6
Efficiency: 32.2%

— 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	2.8	3.5	4.1	4.8	5.5	6.1	6.8
85°	0.0	1.4	2.8	4.2	5.5	6.9	8.3	9.6	10.9	12.2	13.5
82.5°	0.0	2.1	4.2	6.2	8.3	10.4	12.4	14.4	16.2	17.0	17.9
80°	0.0	2.8	5.5	8.3	11.1	13.8	16.2	17.4	18.5	19.7	20.8
77.5°	0.0	3.5	6.9	10.4	13.8	16.5	18.0	19.4	20.9	22.3	23.9
75°	0.0	4.1	8.3	12.4	16.2	18.0	19.8	21.5	23.3	25.5	27.6
72.5°	0.0	4.8	9.6	14.4	17.4	19.4	21.5	23.7	26.3	28.8	31.3
70°	0.0	5.5	10.9	16.2	18.5	20.9	23.3	26.3	29.2	32.1	35.6
67.5°	0.0	6.1	12.2	17.0	19.7	22.3	25.5	28.8	32.1	36.1	40.0
65°	0.0	6.8	13.5	17.9	20.8	23.9	27.6	31.3	35.6	40.0	44.4
62.5°	0.0	7.4	14.8	18.7	21.9	25.6	29.7	34.1	39.0	43.9	49.0
60°	0.0	8.0	16.0	19.5	22.9	27.4	31.8	37.0	42.3	47.9	53.6
57.5°	0.0	8.6	16.5	20.3	24.3	29.0	34.2	39.9	45.8	52.0	58.7
55°	0.0	9.2	17.0	21.0	25.6	30.7	36.6	42.7	49.3	56.1	64.2
52.5°	0.0	9.7	17.5	21.8	26.8	32.3	38.9	45.6	52.7	60.8	69.5
50°	0.0	10.3	18.0	22.5	28.1	34.2	41.1	48.5	56.2	65.4	75.5
47.5°	0.0	10.8	18.5	23.2	29.3	36.0	43.3	51.3	60.2	69.9	81.4
45°	0.0	11.3	18.9	24.1	30.4	37.7	45.6	53.9	64.0	75.0	87.2
42.5°	0.0	11.8	19.3	24.9	31.5	39.4	47.8	56.9	67.6	80.0	93.8
40°	0.0	12.3	19.7	25.7	32.6	41.0	49.9	59.9	71.4	84.7	100.2
37.5°	0.0	12.7	20.1	26.4	33.8	42.5	51.9	62.8	75.4	89.5	106.4
35°	0.0	13.1	20.5	27.1	35.0	44.0	53.8	65.6	79.1	94.8	112.6
32.5°	0.0	13.5	20.8	27.8	36.1	45.5	55.7	68.1	82.7	99.7	119.2
30°	0.0	13.9	21.1	28.4	37.1	46.9	57.7	70.7	86.1	104.3	125.3
27.5°	0.0	14.2	21.4	28.9	38.0	48.1	59.6	73.4	89.4	108.6	131.0
25°	0.0	14.5	21.7	29.5	38.8	49.3	61.4	75.9	92.9	113.1	136.6
22.5°	0.0	14.8	21.9	29.9	39.6	50.4	63.0	78.1	96.1	117.3	148.7
20°	0.0	15.0	22.2	30.4	40.3	51.3	64.5	80.2	99.0	121.2	159.7
17.5°	0.0	15.3	22.4	30.7	40.9	52.2	65.7	82.0	101.5	124.6	169.5
15°	0.0	15.5	22.5	31.1	41.5	52.9	66.9	83.6	103.8	127.6	178.1
12.5°	0.0	15.6	22.7	31.4	41.9	53.6	67.8	84.9	105.7	130.2	185.3
10°	0.0	15.8	22.8	31.6	42.3	54.1	68.6	86.0	107.2	132.3	191.3
7.5°	0.0	15.9	22.9	31.8	42.6	54.5	69.2	86.9	108.4	133.9	196.0
5°	0.0	15.9	22.9	31.9	42.8	54.8	69.6	87.5	109.3	135.1	199.3
2.5°	0.0	16.0	23.0	32.0	43.0	54.9	69.9	87.9	109.8	135.8	201.3
0°	0.0	16.0	23.0	32.0	43.0	55.0	70.0	88.0	110.0	136.0	202.0
-2.5°	0.0	16.0	23.0	32.0	43.0	54.9	69.9	87.9	109.8	135.8	201.3
-5°	0.0	15.9	22.9	31.9	42.8	54.8	69.6	87.5	109.3	135.1	199.3
-7.5°	0.0	15.9	22.9	31.8	42.6	54.5	69.2	86.9	108.4	133.9	196.0
-10°	0.0	15.8	22.8	31.6	42.3	54.1	68.6	86.0	107.2	132.3	191.3
-12.5°	0.0	15.6	22.7	31.4	41.9	53.6	67.8	84.9	105.7	130.2	185.3
-15°	0.0	15.5	22.5	31.1	41.5	52.9	66.9	83.6	103.8	127.6	178.1
-17.5°	0.0	15.3	22.4	30.7	40.9	52.2	65.7	82.0	101.5	124.6	169.5
-20°	0.0	15.0	22.2	30.4	40.3	51.3	64.5	80.2	99.0	121.2	159.7



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 CATALOG NUMBER: EPH-LS-16-1200L-57-70-4R-S

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	21.9	29.9	39.6	50.4	63.0	78.1	96.1	117.3	148.7
-25°	0.0	14.5	21.7	29.5	38.8	49.3	61.4	75.9	92.9	113.1	136.6
-27.5°	0.0	14.2	21.4	28.9	38.0	48.1	59.6	73.4	89.4	108.6	131.0
-30°	0.0	13.9	21.1	28.4	37.1	46.9	57.7	70.7	86.1	104.3	125.3
-32.5°	0.0	13.5	20.8	27.8	36.1	45.5	55.7	68.1	82.7	99.7	119.2
-35°	0.0	13.1	20.5	27.1	35.0	44.0	53.8	65.6	79.1	94.8	112.6
-37.5°	0.0	12.7	20.1	26.4	33.8	42.5	51.9	62.8	75.4	89.5	106.4
-40°	0.0	12.3	19.7	25.7	32.6	41.0	49.9	59.9	71.4	84.7	100.2
-42.5°	0.0	11.8	19.3	24.9	31.5	39.4	47.8	56.9	67.6	80.0	93.8
-45°	0.0	11.3	18.9	24.1	30.4	37.7	45.6	53.9	64.0	75.0	87.2
-47.5°	0.0	10.8	18.5	23.2	29.3	36.0	43.3	51.3	60.2	69.9	81.4
-50°	0.0	10.3	18.0	22.5	28.1	34.2	41.1	48.5	56.2	65.4	75.5
-52.5°	0.0	9.7	17.5	21.8	26.8	32.3	38.9	45.6	52.7	60.8	69.5
-55°	0.0	9.2	17.0	21.0	25.6	30.7	36.6	42.7	49.3	56.1	64.2
-57.5°	0.0	8.6	16.5	20.3	24.3	29.0	34.2	39.9	45.8	52.0	58.7
-60°	0.0	8.0	16.0	19.5	22.9	27.4	31.8	37.0	42.3	47.9	53.6
-62.5°	0.0	7.4	14.8	18.7	21.9	25.6	29.7	34.1	39.0	43.9	49.0
-65°	0.0	6.8	13.5	17.9	20.8	23.9	27.6	31.3	35.6	40.0	44.4
-67.5°	0.0	6.1	12.2	17.0	19.7	22.3	25.5	28.8	32.1	36.1	40.0
-70°	0.0	5.5	10.9	16.2	18.5	20.9	23.3	26.3	29.2	32.1	35.6
-72.5°	0.0	4.8	9.6	14.4	17.4	19.4	21.5	23.7	26.3	28.8	31.3
-75°	0.0	4.1	8.3	12.4	16.2	18.0	19.8	21.5	23.3	25.5	27.6
-77.5°	0.0	3.5	6.9	10.4	13.8	16.5	18.0	19.4	20.9	22.3	23.9
-80°	0.0	2.8	5.5	8.3	11.1	13.8	16.2	17.4	18.5	19.7	20.8
-82.5°	0.0	2.1	4.2	6.2	8.3	10.4	12.4	14.4	16.2	17.0	17.9
-85°	0.0	1.4	2.8	4.2	5.5	6.9	8.3	9.6	10.9	12.2	13.5
-87.5°	0.0	0.7	1.4	2.1	2.8	3.5	4.1	4.8	5.5	6.1	6.8
-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: P699915 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-4R-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°	7.4	8.0	8.6	9.2	9.7	10.3	10.8	11.3	11.8	12.3	12.7
85°	14.8	16.0	16.5	17.0	17.5	18.0	18.5	18.9	19.3	19.7	20.1
82.5°	18.7	19.5	20.3	21.0	21.8	22.5	23.2	24.1	24.9	25.7	26.4
80°	21.9	22.9	24.3	25.6	26.8	28.1	29.3	30.4	31.5	32.6	33.8
77.5°	25.6	27.4	29.0	30.7	32.3	34.2	36.0	37.7	39.4	41.0	42.5
75°	29.7	31.8	34.2	36.6	38.9	41.1	43.3	45.6	47.8	49.9	51.9
72.5°	34.1	37.0	39.9	42.7	45.6	48.5	51.3	53.9	56.9	59.9	62.8
70°	39.0	42.3	45.8	49.3	52.7	56.2	60.2	64.0	67.6	71.4	75.4
67.5°	43.9	47.9	52.0	56.1	60.8	65.4	69.9	75.0	80.0	84.7	89.5
65°	49.0	53.6	58.7	64.2	69.5	75.5	81.4	87.2	93.8	100.2	106.4
62.5°	54.1	60.1	66.2	72.6	79.5	86.3	94.0	101.7	109.2	117.4	125.5
60°	60.1	66.9	74.2	82.0	89.9	99.0	107.7	117.3	127.0	136.6	159.0
57.5°	66.2	74.2	82.8	92.0	102.0	112.1	123.4	134.2	158.1	183.7	207.1
55°	72.6	82.0	92.0	103.0	114.5	127.0	143.9	173.7	202.4	225.4	247.5
52.5°	79.5	89.9	102.0	114.5	128.2	150.1	183.1	212.9	238.7	268.0	308.3
50°	86.3	99.0	112.1	127.0	150.1	186.3	218.2	246.7	286.3	331.4	393.6
47.5°	94.0	107.7	123.4	143.9	183.1	218.2	249.4	295.5	345.3	427.0	509.1
45°	101.7	117.3	134.2	173.7	212.9	246.7	295.5	350.0	443.8	535.7	628.0
42.5°	109.2	127.0	158.1	202.4	238.7	286.3	345.3	443.8	544.8	646.4	729.8
40°	117.4	136.6	183.7	225.4	268.0	331.4	427.0	535.7	646.4	736.7	813.2
37.5°	125.5	159.0	207.1	247.5	308.3	393.6	509.1	628.0	729.8	813.2	875.5
35°	133.1	180.3	226.5	276.5	346.7	467.0	591.7	709.3	799.2	870.0	989.2
32.5°	147.1	200.5	244.8	310.2	408.9	537.8	670.6	771.4	853.8	948.8	1196.1
30°	164.3	216.5	265.6	342.0	469.9	607.3	730.4	827.1	901.6	1134.4	1813.8
27.5°	180.3	231.2	292.8	388.4	527.7	672.4	782.0	869.2	1032.9	1451.9	2622.0
25°	195.1	244.8	318.0	437.2	583.6	721.3	826.9	908.4	1186.3	2161.5	3949.4
22.5°	207.5	257.5	341.2	482.0	635.0	762.3	860.5	1025.5	1531.2	2849.5	5333.5
20°	217.7	276.5	371.4	523.0	681.6	799.5	891.1	1145.7	2090.9	4030.4	8039.1
17.5°	226.8	293.5	404.5	561.2	714.2	829.0	930.2	1253.7	2594.5	5095.8	11159.6
15°	234.7	308.3	433.5	594.6	741.0	851.2	1017.9	1619.8	3278.2	6499.9	13976.4
12.5°	241.5	320.9	458.2	623.2	764.0	870.1	1093.0	1971.7	4025.9	8701.0	17863.1
10°	247.1	331.4	478.5	646.7	783.0	885.8	1155.1	2263.0	4646.1	10529.9	21099.7
7.5°	251.4	339.5	494.4	665.2	797.8	898.1	1203.8	2491.8	5133.8	11970.5	23654.1
5°	254.5	345.3	505.8	678.4	808.4	906.9	1238.8	2656.5	5485.1	13009.6	25499.2
2.5°	256.4	348.8	512.7	686.3	814.9	912.2	1259.9	2755.8	5697.1	13637.1	26614.6
0°	257.0	350.0	515.0	689.0	817.0	914.0	1267.0	2789.0	5768.0	13847.0	26987.9
-2.5°	256.4	348.8	512.7	686.3	814.9	912.2	1259.9	2755.8	5697.1	13637.1	26614.6
-5°	254.5	345.3	505.8	678.4	808.4	906.9	1238.8	2656.5	5485.1	13009.6	25499.2
-7.5°	251.4	339.5	494.4	665.2	797.8	898.1	1203.8	2491.8	5133.8	11970.5	23654.1
-10°	247.1	331.4	478.5	646.7	783.0	885.8	1155.1	2263.0	4646.1	10529.9	21099.7
-12.5°	241.5	320.9	458.2	623.2	764.0	870.1	1093.0	1971.7	4025.9	8701.0	17863.1
-15°	234.7	308.3	433.5	594.6	741.0	851.2	1017.9	1619.8	3278.2	6499.9	13976.4
-17.5°	226.8	293.5	404.5	561.2	714.2	829.0	930.2	1253.7	2594.5	5095.8	11159.6
-20°	217.7	276.5	371.4	523.0	681.6	799.5	891.1	1145.7	2090.9	4030.4	8039.1



REPORT NUMBER: P699915 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-4R-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	207.5	257.5	341.2	482.0	635.0	762.3	860.5	1025.5	1531.2	2849.5	5333.5
-25°	195.1	244.8	318.0	437.2	583.6	721.3	826.9	908.4	1186.3	2161.5	3949.4
-27.5°	180.3	231.2	292.8	388.4	527.7	672.4	782.0	869.2	1032.9	1451.9	2622.0
-30°	164.3	216.5	265.6	342.0	469.9	607.3	730.4	827.1	901.6	1134.4	1813.8
-32.5°	147.1	200.5	244.8	310.2	408.9	537.8	670.6	771.4	853.8	948.8	1196.1
-35°	133.1	180.3	226.5	276.5	346.7	467.0	591.7	709.3	799.2	870.0	989.2
-37.5°	125.5	159.0	207.1	247.5	308.3	393.6	509.1	628.0	729.8	813.2	875.5
-40°	117.4	136.6	183.7	225.4	268.0	331.4	427.0	535.7	646.4	736.7	813.2
-42.5°	109.2	127.0	158.1	202.4	238.7	286.3	345.3	443.8	544.8	646.4	729.8
-45°	101.7	117.3	134.2	173.7	212.9	246.7	295.5	350.0	443.8	535.7	628.0
-47.5°	94.0	107.7	123.4	143.9	183.1	218.2	249.4	295.5	345.3	427.0	509.1
-50°	86.3	99.0	112.1	127.0	150.1	186.3	218.2	246.7	286.3	331.4	393.6
-52.5°	79.5	89.9	102.0	114.5	128.2	150.1	183.1	212.9	238.7	268.0	308.3
-55°	72.6	82.0	92.0	103.0	114.5	127.0	143.9	173.7	202.4	225.4	247.5
-57.5°	66.2	74.2	82.8	92.0	102.0	112.1	123.4	134.2	158.1	183.7	207.1
-60°	60.1	66.9	74.2	82.0	89.9	99.0	107.7	117.3	127.0	136.6	159.0
-62.5°	54.1	60.1	66.2	72.6	79.5	86.3	94.0	101.7	109.2	117.4	125.5
-65°	49.0	53.6	58.7	64.2	69.5	75.5	81.4	87.2	93.8	100.2	106.4
-67.5°	43.9	47.9	52.0	56.1	60.8	65.4	69.9	75.0	80.0	84.7	89.5
-70°	39.0	42.3	45.8	49.3	52.7	56.2	60.2	64.0	67.6	71.4	75.4
-72.5°	34.1	37.0	39.9	42.7	45.6	48.5	51.3	53.9	56.9	59.9	62.8
-75°	29.7	31.8	34.2	36.6	38.9	41.1	43.3	45.6	47.8	49.9	51.9
-77.5°	25.6	27.4	29.0	30.7	32.3	34.2	36.0	37.7	39.4	41.0	42.5
-80°	21.9	22.9	24.3	25.6	26.8	28.1	29.3	30.4	31.5	32.6	33.8
-82.5°	18.7	19.5	20.3	21.0	21.8	22.5	23.2	24.1	24.9	25.7	26.4
-85°	14.8	16.0	16.5	17.0	17.5	18.0	18.5	18.9	19.3	19.7	20.1
-87.5°	7.4	8.0	8.6	9.2	9.7	10.3	10.8	11.3	11.8	12.3	12.7
-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: P699915 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-4R-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°	13.1	13.5	13.9	14.2	14.5	14.8	15.0	15.3	15.5	15.6	15.8
85°	20.5	20.8	21.1	21.4	21.7	21.9	22.2	22.4	22.5	22.7	22.8
82.5°	27.1	27.8	28.4	28.9	29.5	29.9	30.4	30.7	31.1	31.4	31.6
80°	35.0	36.1	37.1	38.0	38.8	39.6	40.3	40.9	41.5	41.9	42.3
77.5°	44.0	45.5	46.9	48.1	49.3	50.4	51.3	52.2	52.9	53.6	54.1
75°	53.8	55.7	57.7	59.6	61.4	63.0	64.5	65.7	66.9	67.8	68.6
72.5°	65.6	68.1	70.7	73.4	75.9	78.1	80.2	82.0	83.6	84.9	86.0
70°	79.1	82.7	86.1	89.4	92.9	96.1	99.0	101.5	103.8	105.7	107.2
67.5°	94.8	99.7	104.3	108.6	113.1	117.3	121.2	124.6	127.6	130.2	132.3
65°	112.6	119.2	125.3	131.0	136.6	148.7	159.7	169.5	178.1	185.3	191.3
62.5°	133.1	147.1	164.3	180.3	195.1	207.5	217.7	226.8	234.7	241.5	247.1
60°	180.3	200.5	216.5	231.2	244.8	257.5	276.5	293.5	308.3	320.9	331.4
57.5°	226.5	244.8	265.6	292.8	318.0	341.2	371.4	404.5	433.5	458.2	478.5
55°	276.5	310.2	342.0	388.4	437.2	482.0	523.0	561.2	594.6	623.2	646.7
52.5°	346.7	408.9	469.9	527.7	583.6	635.0	681.6	714.2	741.0	764.0	783.0
50°	467.0	537.8	607.3	672.4	721.3	762.3	799.5	829.0	851.2	870.1	885.8
47.5°	591.7	670.6	730.4	782.0	826.9	860.5	891.1	930.2	1017.9	1093.0	1155.1
45°	709.3	771.4	827.1	869.2	908.4	1025.5	1145.7	1253.7	1619.8	1971.7	2263.0
42.5°	799.2	853.8	901.6	1032.9	1186.3	1531.2	2090.9	2594.5	3278.2	4025.9	4646.1
40°	870.0	948.8	1134.4	1451.9	2161.5	2849.5	4030.4	5095.8	6499.9	8701.0	10529.9
37.5°	989.2	1196.1	1813.8	2622.0	3949.4	5333.5	8039.1	11159.6	13976.4	17863.1	21099.7
35°	1216.9	1996.8	3011.4	4697.8	7178.9	11205.8	15589.7	21070.2	25944.8	30417.6	34220.8
32.5°	1996.8	3196.0	5076.6	8759.9	13366.1	20084.5	26580.3	32931.9	38630.7	43173.2	46617.7
30°	3011.4	5076.6	9291.7	14846.7	22835.9	30616.9	38151.7	44386.2	49517.2	53548.1	55725.5
27.5°	4697.8	8759.9	14846.7	23762.4	32684.9	41324.4	48047.0	53682.6	56903.3	59728.3	61391.9
25°	7178.9	13366.1	22835.9	32684.9	42222.1	49912.9	55362.4	59223.2	61814.8	63962.6	66246.9
22.5°	11205.8	20084.5	30616.9	41324.4	49912.9	55930.3	60206.3	63106.4	66201.6	69377.9	72863.4
20°	15589.7	26580.3	38151.7	48047.0	55362.4	60206.3	63544.5	67445.3	71629.9	77283.4	82860.3
17.5°	21070.2	32931.9	44386.2	53682.6	59223.2	63106.4	67445.3	72710.5	79574.9	89121.5	98498.1
15°	25944.8	38630.7	49517.2	56903.3	61814.8	66201.6	71629.9	79574.9	91269.1	105506.5	122240.3
12.5°	30417.6	43173.2	53548.1	59728.3	63962.6	69377.9	77283.4	89121.5	105506.5	126304.6	152222.5
10°	34220.8	46617.7	55725.5	61391.9	66246.9	72863.4	82860.3	98498.1	122240.3	152222.5	190383.7
7.5°	37229.1	49349.8	57458.4	62718.4	68226.0	76427.2	89731.9	110519.3	139825.0	179138.5	269738.9
5°	39405.9	51331.1	58718.6	63686.4	69676.5	79054.5	94837.1	119793.0	154860.4	214878.2	385339.8
2.5°	40723.7	52532.4	59484.1	64275.8	70562.7	80666.3	97987.3	125562.4	164327.1	250790.5	486197.8
0°	41164.9	52934.9	59740.9	64473.8	70860.8	81209.8	99052.8	127522.7	167565.6	268108.4	523114.7
-2.5°	40723.7	52532.4	59484.1	64275.8	70562.7	80666.3	97987.3	125562.4	164327.1	250790.5	486197.8
-5°	39405.9	51331.1	58718.6	63686.4	69676.5	79054.5	94837.1	119793.0	154860.4	214878.2	385339.8
-7.5°	37229.1	49349.8	57458.4	62718.4	68226.0	76427.2	89731.9	110519.3	139825.0	179138.5	269738.9
-10°	34220.8	46617.7	55725.5	61391.9	66246.9	72863.4	82860.3	98498.1	122240.3	152222.5	190383.7
-12.5°	30417.6	43173.2	53548.1	59728.3	63962.6	69377.9	77283.4	89121.5	105506.5	126304.6	152222.5
-15°	25944.8	38630.7	49517.2	56903.3	61814.8	66201.6	71629.9	79574.9	91269.1	105506.5	122240.3
-17.5°	21070.2	32931.9	44386.2	53682.6	59223.2	63106.4	67445.3	72710.5	79574.9	89121.5	98498.1
-20°	15589.7	26580.3	38151.7	48047.0	55362.4	60206.3	63544.5	67445.3	71629.9	77283.4	82860.3



REPORT NUMBER: P699915 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-4R-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	11205.8	20084.5	30616.9	41324.4	49912.9	55930.3	60206.3	63106.4	66201.6	69377.9	72863.4
-25°	7178.9	13366.1	22835.9	32684.9	42222.1	49912.9	55362.4	59223.2	61814.8	63962.6	66246.9
-27.5°	4697.8	8759.9	14846.7	23762.4	32684.9	41324.4	48047.0	53682.6	56903.3	59728.3	61391.9
-30°	3011.4	5076.6	9291.7	14846.7	22835.9	30616.9	38151.7	44386.2	49517.2	53548.1	55725.5
-32.5°	1996.8	3196.0	5076.6	8759.9	13366.1	20084.5	26580.3	32931.9	38630.7	43173.2	46617.7
-35°	1216.9	1996.8	3011.4	4697.8	7178.9	11205.8	15589.7	21070.2	25944.8	30417.6	34220.8
-37.5°	989.2	1196.1	1813.8	2622.0	3949.4	5333.5	8039.1	11159.6	13976.4	17863.1	21099.7
-40°	870.0	948.8	1134.4	1451.9	2161.5	2849.5	4030.4	5095.8	6499.9	8701.0	10529.9
-42.5°	799.2	853.8	901.6	1032.9	1186.3	1531.2	2090.9	2594.5	3278.2	4025.9	4646.1
-45°	709.3	771.4	827.1	869.2	908.4	1025.5	1145.7	1253.7	1619.8	1971.7	2263.0
-47.5°	591.7	670.6	730.4	782.0	826.9	860.5	891.1	930.2	1017.9	1093.0	1155.1
-50°	467.0	537.8	607.3	672.4	721.3	762.3	799.5	829.0	851.2	870.1	885.8
-52.5°	346.7	408.9	469.9	527.7	583.6	635.0	681.6	714.2	741.0	764.0	783.0
-55°	276.5	310.2	342.0	388.4	437.2	482.0	523.0	561.2	594.6	623.2	646.7
-57.5°	226.5	244.8	265.6	292.8	318.0	341.2	371.4	404.5	433.5	458.2	478.5
-60°	180.3	200.5	216.5	231.2	244.8	257.5	276.5	293.5	308.3	320.9	331.4
-62.5°	133.1	147.1	164.3	180.3	195.1	207.5	217.7	226.8	234.7	241.5	247.1
-65°	112.6	119.2	125.3	131.0	136.6	148.7	159.7	169.5	178.1	185.3	191.3
-67.5°	94.8	99.7	104.3	108.6	113.1	117.3	121.2	124.6	127.6	130.2	132.3
-70°	79.1	82.7	86.1	89.4	92.9	96.1	99.0	101.5	103.8	105.7	107.2
-72.5°	65.6	68.1	70.7	73.4	75.9	78.1	80.2	82.0	83.6	84.9	86.0
-75°	53.8	55.7	57.7	59.6	61.4	63.0	64.5	65.7	66.9	67.8	68.6
-77.5°	44.0	45.5	46.9	48.1	49.3	50.4	51.3	52.2	52.9	53.6	54.1
-80°	35.0	36.1	37.1	38.0	38.8	39.6	40.3	40.9	41.5	41.9	42.3
-82.5°	27.1	27.8	28.4	28.9	29.5	29.9	30.4	30.7	31.1	31.4	31.6
-85°	20.5	20.8	21.1	21.4	21.7	21.9	22.2	22.4	22.5	22.7	22.8
-87.5°	13.1	13.5	13.9	14.2	14.5	14.8	15.0	15.3	15.5	15.6	15.8
-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: P699915 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-4R-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°	15.9	15.9	16.0	16.0	16.0	15.9	15.9	15.8	15.6	15.5	15.3
85°	22.9	22.9	23.0	23.0	23.0	22.9	22.9	22.8	22.7	22.5	22.4
82.5°	31.8	31.9	32.0	32.0	32.0	31.9	31.8	31.6	31.4	31.1	30.7
80°	42.6	42.8	43.0	43.0	43.0	42.8	42.6	42.3	41.9	41.5	40.9
77.5°	54.5	54.8	54.9	55.0	54.9	54.8	54.5	54.1	53.6	52.9	52.2
75°	69.2	69.6	69.9	70.0	69.9	69.6	69.2	68.6	67.8	66.9	65.7
72.5°	86.9	87.5	87.9	88.0	87.9	87.5	86.9	86.0	84.9	83.6	82.0
70°	108.4	109.3	109.8	110.0	109.8	109.3	108.4	107.2	105.7	103.8	101.5
67.5°	133.9	135.1	135.8	136.0	135.8	135.1	133.9	132.3	130.2	127.6	124.6
65°	196.0	199.3	201.3	202.0	201.3	199.3	196.0	191.3	185.3	178.1	169.5
62.5°	251.4	254.5	256.4	257.0	256.4	254.5	251.4	247.1	241.5	234.7	226.8
60°	339.5	345.3	348.8	350.0	348.8	345.3	339.5	331.4	320.9	308.3	293.5
57.5°	494.4	505.8	512.7	515.0	512.7	505.8	494.4	478.5	458.2	433.5	404.5
55°	665.2	678.4	686.3	689.0	686.3	678.4	665.2	646.7	623.2	594.6	561.2
52.5°	797.8	808.4	814.9	817.0	814.9	808.4	797.8	783.0	764.0	741.0	714.2
50°	898.1	906.9	912.2	914.0	912.2	906.9	898.1	885.8	870.1	851.2	829.0
47.5°	1203.8	1238.8	1259.9	1267.0	1259.9	1238.8	1203.8	1155.1	1093.0	1017.9	930.2
45°	2491.8	2656.5	2755.8	2789.0	2755.8	2656.5	2491.8	2263.0	1971.7	1619.8	1253.7
42.5°	5133.8	5485.1	5697.1	5768.0	5697.1	5485.1	5133.8	4646.1	4025.9	3278.2	2594.5
40°	11970.5	13009.6	13637.1	13847.0	13637.1	13009.6	11970.5	10529.9	8701.0	6499.9	5095.8
37.5°	23654.1	25499.2	26614.6	26987.9	26614.6	25499.2	23654.1	21099.7	17863.1	13976.4	11159.6
35°	37229.1	39405.9	40723.7	41164.9	40723.7	39405.9	37229.1	34220.8	30417.6	25944.8	21070.2
32.5°	49349.8	51331.1	52532.4	52934.9	52532.4	51331.1	49349.8	46617.7	43173.2	38630.7	32931.9
30°	57458.4	58718.6	59484.1	59740.9	59484.1	58718.6	57458.4	55725.5	53548.1	49517.2	44386.2
27.5°	62718.4	63686.4	64275.8	64473.8	64275.8	63686.4	62718.4	61391.9	59728.3	56903.3	53682.6
25°	68226.0	69676.5	70562.7	70860.8	70562.7	69676.5	68226.0	66246.9	63962.6	61814.8	59223.2
22.5°	76427.2	79054.5	80666.3	81209.8	80666.3	79054.5	76427.2	72863.4	69377.9	66201.6	63106.4
20°	89731.9	94837.1	97987.3	99052.8	97987.3	94837.1	89731.9	82860.3	77283.4	71629.9	67445.3
17.5°	110519.3	119793.0	125562.4	127522.7	125562.4	119793.0	110519.3	98498.1	89121.5	79574.9	72710.5
15°	139825.0	154860.4	164327.1	167565.6	164327.1	154860.4	139825.0	122240.3	105506.5	91269.1	79574.9
12.5°	179138.5	214878.2	250790.5	268108.4	250790.5	214878.2	179138.5	152222.5	126304.6	105506.5	89121.5
10°	269738.9	385339.8	486197.8	523114.7	486197.8	385339.8	269738.9	190383.7	152222.5	122240.3	98498.1
7.5°	451455.4	638697.6	724049.9	746119.7	724049.9	638697.6	451455.4	269738.9	179138.5	139825.0	110519.3
5°	638697.6	769830.2	833182.1	855818.9	833182.1	769830.2	638697.6	385339.8	214878.2	154860.4	119793.0
2.5°	724049.9	833182.1	905416.9	935487.2	905416.9	833182.1	724049.9	486197.8	250790.5	164327.1	125562.4
0°	746119.7	855818.9	935487.2	973274.6	935487.2	855818.9	746119.7	523114.7	268108.4	167565.6	127522.7
-2.5°	724049.9	833182.1	905416.9	935487.2	905416.9	833182.1	724049.9	486197.8	250790.5	164327.1	125562.4
-5°	638697.6	769830.2	833182.1	855818.9	833182.1	769830.2	638697.6	385339.8	214878.2	154860.4	119793.0
-7.5°	451455.4	638697.6	724049.9	746119.7	724049.9	638697.6	451455.4	269738.9	179138.5	139825.0	110519.3
-10°	269738.9	385339.8	486197.8	523114.7	486197.8	385339.8	269738.9	190383.7	152222.5	122240.3	98498.1
-12.5°	179138.5	214878.2	250790.5	268108.4	250790.5	214878.2	179138.5	152222.5	126304.6	105506.5	89121.5
-15°	139825.0	154860.4	164327.1	167565.6	164327.1	154860.4	139825.0	122240.3	105506.5	91269.1	79574.9
-17.5°	110519.3	119793.0	125562.4	127522.7	125562.4	119793.0	110519.3	98498.1	89121.5	79574.9	72710.5
-20°	89731.9	94837.1	97987.3	99052.8	97987.3	94837.1	89731.9	82860.3	77283.4	71629.9	67445.3



REPORT NUMBER: P699915 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-4R-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	76427.2	79054.5	80666.3	81209.8	80666.3	79054.5	76427.2	72863.4	69377.9	66201.6	63106.4
-25°	68226.0	69676.5	70562.7	70860.8	70562.7	69676.5	68226.0	66246.9	63962.6	61814.8	59223.2
-27.5°	62718.4	63686.4	64275.8	64473.8	64275.8	63686.4	62718.4	61391.9	59728.3	56903.3	53682.6
-30°	57458.4	58718.6	59484.1	59740.9	59484.1	58718.6	57458.4	55725.5	53548.1	49517.2	44386.2
-32.5°	49349.8	51331.1	52532.4	52934.9	52532.4	51331.1	49349.8	46617.7	43173.2	38630.7	32931.9
-35°	37229.1	39405.9	40723.7	41164.9	40723.7	39405.9	37229.1	34220.8	30417.6	25944.8	21070.2
-37.5°	23654.1	25499.2	26614.6	26987.9	26614.6	25499.2	23654.1	21099.7	17863.1	13976.4	11159.6
-40°	11970.5	13009.6	13637.1	13847.0	13637.1	13009.6	11970.5	10529.9	8701.0	6499.9	5095.8
-42.5°	5133.8	5485.1	5697.1	5768.0	5697.1	5485.1	5133.8	4646.1	4025.9	3278.2	2594.5
-45°	2491.8	2656.5	2755.8	2789.0	2755.8	2656.5	2491.8	2263.0	1971.7	1619.8	1253.7
-47.5°	1203.8	1238.8	1259.9	1267.0	1259.9	1238.8	1203.8	1155.1	1093.0	1017.9	930.2
-50°	898.1	906.9	912.2	914.0	912.2	906.9	898.1	885.8	870.1	851.2	829.0
-52.5°	797.8	808.4	814.9	817.0	814.9	808.4	797.8	783.0	764.0	741.0	714.2
-55°	665.2	678.4	686.3	689.0	686.3	678.4	665.2	646.7	623.2	594.6	561.2
-57.5°	494.4	505.8	512.7	515.0	512.7	505.8	494.4	478.5	458.2	433.5	404.5
-60°	339.5	345.3	348.8	350.0	348.8	345.3	339.5	331.4	320.9	308.3	293.5
-62.5°	251.4	254.5	256.4	257.0	256.4	254.5	251.4	247.1	241.5	234.7	226.8
-65°	196.0	199.3	201.3	202.0	201.3	199.3	196.0	191.3	185.3	178.1	169.5
-67.5°	133.9	135.1	135.8	136.0	135.8	135.1	133.9	132.3	130.2	127.6	124.6
-70°	108.4	109.3	109.8	110.0	109.8	109.3	108.4	107.2	105.7	103.8	101.5
-72.5°	86.9	87.5	87.9	88.0	87.9	87.5	86.9	86.0	84.9	83.6	82.0
-75°	69.2	69.6	69.9	70.0	69.9	69.6	69.2	68.6	67.8	66.9	65.7
-77.5°	54.5	54.8	54.9	55.0	54.9	54.8	54.5	54.1	53.6	52.9	52.2
-80°	42.6	42.8	43.0	43.0	43.0	42.8	42.6	42.3	41.9	41.5	40.9
-82.5°	31.8	31.9	32.0	32.0	32.0	31.9	31.8	31.6	31.4	31.1	30.7
-85°	22.9	22.9	23.0	23.0	23.0	22.9	22.9	22.8	22.7	22.5	22.4
-87.5°	15.9	15.9	16.0	16.0	16.0	15.9	15.9	15.8	15.6	15.5	15.3
-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: P699915 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-4R-S

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°	15.0	14.8	14.5	14.2	13.9	13.5	13.1	12.7	12.3	11.8	11.3
85°	22.2	21.9	21.7	21.4	21.1	20.8	20.5	20.1	19.7	19.3	18.9
82.5°	30.4	29.9	29.5	28.9	28.4	27.8	27.1	26.4	25.7	24.9	24.1
80°	40.3	39.6	38.8	38.0	37.1	36.1	35.0	33.8	32.6	31.5	30.4
77.5°	51.3	50.4	49.3	48.1	46.9	45.5	44.0	42.5	41.0	39.4	37.7
75°	64.5	63.0	61.4	59.6	57.7	55.7	53.8	51.9	49.9	47.8	45.6
72.5°	80.2	78.1	75.9	73.4	70.7	68.1	65.6	62.8	59.9	56.9	53.9
70°	99.0	96.1	92.9	89.4	86.1	82.7	79.1	75.4	71.4	67.6	64.0
67.5°	121.2	117.3	113.1	108.6	104.3	99.7	94.8	89.5	84.7	80.0	75.0
65°	159.7	148.7	136.6	131.0	125.3	119.2	112.6	106.4	100.2	93.8	87.2
62.5°	217.7	207.5	195.1	180.3	164.3	147.1	133.1	125.5	117.4	109.2	101.7
60°	276.5	257.5	244.8	231.2	216.5	200.5	180.3	159.0	136.6	127.0	117.3
57.5°	371.4	341.2	318.0	292.8	265.6	244.8	226.5	207.1	183.7	158.1	134.2
55°	523.0	482.0	437.2	388.4	342.0	310.2	276.5	247.5	225.4	202.4	173.7
52.5°	681.6	635.0	583.6	527.7	469.9	408.9	346.7	308.3	268.0	238.7	212.9
50°	799.5	762.3	721.3	672.4	607.3	537.8	467.0	393.6	331.4	286.3	246.7
47.5°	891.1	860.5	826.9	782.0	730.4	670.6	591.7	509.1	427.0	345.3	295.5
45°	1145.7	1025.5	908.4	869.2	827.1	771.4	709.3	628.0	535.7	443.8	350.0
42.5°	2090.9	1531.2	1186.3	1032.9	901.6	853.8	799.2	729.8	646.4	544.8	443.8
40°	4030.4	2849.5	2161.5	1451.9	1134.4	948.8	870.0	813.2	736.7	646.4	535.7
37.5°	8039.1	5333.5	3949.4	2622.0	1813.8	1196.1	989.2	875.5	813.2	729.8	628.0
35°	15589.7	11205.8	7178.9	4697.8	3011.4	1996.8	1216.9	989.2	870.0	799.2	709.3
32.5°	26580.3	20084.5	13366.1	8759.9	5076.6	3196.0	1996.8	1196.1	948.8	853.8	771.4
30°	38151.7	30616.9	22835.9	14846.7	9291.7	5076.6	3011.4	1813.8	1134.4	901.6	827.1
27.5°	48047.0	41324.4	32684.9	23762.4	14846.7	8759.9	4697.8	2622.0	1451.9	1032.9	869.2
25°	55362.4	49912.9	42222.1	32684.9	22835.9	13366.1	7178.9	3949.4	2161.5	1186.3	908.4
22.5°	60206.3	55930.3	49912.9	41324.4	30616.9	20084.5	11205.8	5333.5	2849.5	1531.2	1025.5
20°	63544.5	60206.3	55362.4	48047.0	38151.7	26580.3	15589.7	8039.1	4030.4	2090.9	1145.7
17.5°	67445.3	63106.4	59223.2	53682.6	44386.2	32931.9	21070.2	11159.6	5095.8	2594.5	1253.7
15°	71629.9	66201.6	61814.8	56903.3	49517.2	38630.7	25944.8	13976.4	6499.9	3278.2	1619.8
12.5°	77283.4	69377.9	63962.6	59728.3	53548.1	43173.2	30417.6	17863.1	8701.0	4025.9	1971.7
10°	82860.3	72863.4	66246.9	61391.9	55725.5	46617.7	34220.8	21099.7	10529.9	4646.1	2263.0
7.5°	89731.9	76427.2	68226.0	62718.4	57458.4	49349.8	37229.1	23654.1	11970.5	5133.8	2491.8
5°	94837.1	79054.5	69676.5	63686.4	58718.6	51331.1	39405.9	25499.2	13009.6	5485.1	2656.5
2.5°	97987.3	80666.3	70562.7	64275.8	59484.1	52532.4	40723.7	26614.6	13637.1	5697.1	2755.8
0°	99052.8	81209.8	70860.8	64473.8	59740.9	52934.9	41164.9	26987.9	13847.0	5768.0	2789.0
-2.5°	97987.3	80666.3	70562.7	64275.8	59484.1	52532.4	40723.7	26614.6	13637.1	5697.1	2755.8
-5°	94837.1	79054.5	69676.5	63686.4	58718.6	51331.1	39405.9	25499.2	13009.6	5485.1	2656.5
-7.5°	89731.9	76427.2	68226.0	62718.4	57458.4	49349.8	37229.1	23654.1	11970.5	5133.8	2491.8
-10°	82860.3	72863.4	66246.9	61391.9	55725.5	46617.7	34220.8	21099.7	10529.9	4646.1	2263.0
-12.5°	77283.4	69377.9	63962.6	59728.3	53548.1	43173.2	30417.6	17863.1	8701.0	4025.9	1971.7
-15°	71629.9	66201.6	61814.8	56903.3	49517.2	38630.7	25944.8	13976.4	6499.9	3278.2	1619.8
-17.5°	67445.3	63106.4	59223.2	53682.6	44386.2	32931.9	21070.2	11159.6	5095.8	2594.5	1253.7
-20°	63544.5	60206.3	55362.4	48047.0	38151.7	26580.3	15589.7	8039.1	4030.4	2090.9	1145.7



REPORT NUMBER: P699915 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-4R-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	60206.3	55930.3	49912.9	41324.4	30616.9	20084.5	11205.8	5333.5	2849.5	1531.2	1025.5
-25°	55362.4	49912.9	42222.1	32684.9	22835.9	13366.1	7178.9	3949.4	2161.5	1186.3	908.4
-27.5°	48047.0	41324.4	32684.9	23762.4	14846.7	8759.9	4697.8	2622.0	1451.9	1032.9	869.2
-30°	38151.7	30616.9	22835.9	14846.7	9291.7	5076.6	3011.4	1813.8	1134.4	901.6	827.1
-32.5°	26580.3	20084.5	13366.1	8759.9	5076.6	3196.0	1996.8	1196.1	948.8	853.8	771.4
-35°	15589.7	11205.8	7178.9	4697.8	3011.4	1996.8	1216.9	989.2	870.0	799.2	709.3
-37.5°	8039.1	5333.5	3949.4	2622.0	1813.8	1196.1	989.2	875.5	813.2	729.8	628.0
-40°	4030.4	2849.5	2161.5	1451.9	1134.4	948.8	870.0	813.2	736.7	646.4	535.7
-42.5°	2090.9	1531.2	1186.3	1032.9	901.6	853.8	799.2	729.8	646.4	544.8	443.8
-45°	1145.7	1025.5	908.4	869.2	827.1	771.4	709.3	628.0	535.7	443.8	350.0
-47.5°	891.1	860.5	826.9	782.0	730.4	670.6	591.7	509.1	427.0	345.3	295.5
-50°	799.5	762.3	721.3	672.4	607.3	537.8	467.0	393.6	331.4	286.3	246.7
-52.5°	681.6	635.0	583.6	527.7	469.9	408.9	346.7	308.3	268.0	238.7	212.9
-55°	523.0	482.0	437.2	388.4	342.0	310.2	276.5	247.5	225.4	202.4	173.7
-57.5°	371.4	341.2	318.0	292.8	265.6	244.8	226.5	207.1	183.7	158.1	134.2
-60°	276.5	257.5	244.8	231.2	216.5	200.5	180.3	159.0	136.6	127.0	117.3
-62.5°	217.7	207.5	195.1	180.3	164.3	147.1	133.1	125.5	117.4	109.2	101.7
-65°	159.7	148.7	136.6	131.0	125.3	119.2	112.6	106.4	100.2	93.8	87.2
-67.5°	121.2	117.3	113.1	108.6	104.3	99.7	94.8	89.5	84.7	80.0	75.0
-70°	99.0	96.1	92.9	89.4	86.1	82.7	79.1	75.4	71.4	67.6	64.0
-72.5°	80.2	78.1	75.9	73.4	70.7	68.1	65.6	62.8	59.9	56.9	53.9
-75°	64.5	63.0	61.4	59.6	57.7	55.7	53.8	51.9	49.9	47.8	45.6
-77.5°	51.3	50.4	49.3	48.1	46.9	45.5	44.0	42.5	41.0	39.4	37.7
-80°	40.3	39.6	38.8	38.0	37.1	36.1	35.0	33.8	32.6	31.5	30.4
-82.5°	30.4	29.9	29.5	28.9	28.4	27.8	27.1	26.4	25.7	24.9	24.1
-85°	22.2	21.9	21.7	21.4	21.1	20.8	20.5	20.1	19.7	19.3	18.9
-87.5°	15.0	14.8	14.5	14.2	13.9	13.5	13.1	12.7	12.3	11.8	11.3
-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: P699915 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-4R-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°	10.8	10.3	9.7	9.2	8.6	8.0	7.4	6.8	6.1	5.5	4.8
85°	18.5	18.0	17.5	17.0	16.5	16.0	14.8	13.5	12.2	10.9	9.6
82.5°	23.2	22.5	21.8	21.0	20.3	19.5	18.7	17.9	17.0	16.2	14.4
80°	29.3	28.1	26.8	25.6	24.3	22.9	21.9	20.8	19.7	18.5	17.4
77.5°	36.0	34.2	32.3	30.7	29.0	27.4	25.6	23.9	22.3	20.9	19.4
75°	43.3	41.1	38.9	36.6	34.2	31.8	29.7	27.6	25.5	23.3	21.5
72.5°	51.3	48.5	45.6	42.7	39.9	37.0	34.1	31.3	28.8	26.3	23.7
70°	60.2	56.2	52.7	49.3	45.8	42.3	39.0	35.6	32.1	29.2	26.3
67.5°	69.9	65.4	60.8	56.1	52.0	47.9	43.9	40.0	36.1	32.1	28.8
65°	81.4	75.5	69.5	64.2	58.7	53.6	49.0	44.4	40.0	35.6	31.3
62.5°	94.0	86.3	79.5	72.6	66.2	60.1	54.1	49.0	43.9	39.0	34.1
60°	107.7	99.0	89.9	82.0	74.2	66.9	60.1	53.6	47.9	42.3	37.0
57.5°	123.4	112.1	102.0	92.0	82.8	74.2	66.2	58.7	52.0	45.8	39.9
55°	143.9	127.0	114.5	103.0	92.0	82.0	72.6	64.2	56.1	49.3	42.7
52.5°	183.1	150.1	128.2	114.5	102.0	89.9	79.5	69.5	60.8	52.7	45.6
50°	218.2	186.3	150.1	127.0	112.1	99.0	86.3	75.5	65.4	56.2	48.5
47.5°	249.4	218.2	183.1	143.9	123.4	107.7	94.0	81.4	69.9	60.2	51.3
45°	295.5	246.7	212.9	173.7	134.2	117.3	101.7	87.2	75.0	64.0	53.9
42.5°	345.3	286.3	238.7	202.4	158.1	127.0	109.2	93.8	80.0	67.6	56.9
40°	427.0	331.4	268.0	225.4	183.7	136.6	117.4	100.2	84.7	71.4	59.9
37.5°	509.1	393.6	308.3	247.5	207.1	159.0	125.5	106.4	89.5	75.4	62.8
35°	591.7	467.0	346.7	276.5	226.5	180.3	133.1	112.6	94.8	79.1	65.6
32.5°	670.6	537.8	408.9	310.2	244.8	200.5	147.1	119.2	99.7	82.7	68.1
30°	730.4	607.3	469.9	342.0	265.6	216.5	164.3	125.3	104.3	86.1	70.7
27.5°	782.0	672.4	527.7	388.4	292.8	231.2	180.3	131.0	108.6	89.4	73.4
25°	826.9	721.3	583.6	437.2	318.0	244.8	195.1	136.6	113.1	92.9	75.9
22.5°	860.5	762.3	635.0	482.0	341.2	257.5	207.5	148.7	117.3	96.1	78.1
20°	891.1	799.5	681.6	523.0	371.4	276.5	217.7	159.7	121.2	99.0	80.2
17.5°	930.2	829.0	714.2	561.2	404.5	293.5	226.8	169.5	124.6	101.5	82.0
15°	1017.9	851.2	741.0	594.6	433.5	308.3	234.7	178.1	127.6	103.8	83.6
12.5°	1093.0	870.1	764.0	623.2	458.2	320.9	241.5	185.3	130.2	105.7	84.9
10°	1155.1	885.8	783.0	646.7	478.5	331.4	247.1	191.3	132.3	107.2	86.0
7.5°	1203.8	898.1	797.8	665.2	494.4	339.5	251.4	196.0	133.9	108.4	86.9
5°	1238.8	906.9	808.4	678.4	505.8	345.3	254.5	199.3	135.1	109.3	87.5
2.5°	1259.9	912.2	814.9	686.3	512.7	348.8	256.4	201.3	135.8	109.8	87.9
0°	1267.0	914.0	817.0	689.0	515.0	350.0	257.0	202.0	136.0	110.0	88.0
-2.5°	1259.9	912.2	814.9	686.3	512.7	348.8	256.4	201.3	135.8	109.8	87.9
-5°	1238.8	906.9	808.4	678.4	505.8	345.3	254.5	199.3	135.1	109.3	87.5
-7.5°	1203.8	898.1	797.8	665.2	494.4	339.5	251.4	196.0	133.9	108.4	86.9
-10°	1155.1	885.8	783.0	646.7	478.5	331.4	247.1	191.3	132.3	107.2	86.0
-12.5°	1093.0	870.1	764.0	623.2	458.2	320.9	241.5	185.3	130.2	105.7	84.9
-15°	1017.9	851.2	741.0	594.6	433.5	308.3	234.7	178.1	127.6	103.8	83.6
-17.5°	930.2	829.0	714.2	561.2	404.5	293.5	226.8	169.5	124.6	101.5	82.0
-20°	891.1	799.5	681.6	523.0	371.4	276.5	217.7	159.7	121.2	99.0	80.2



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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°	860.5	762.3	635.0	482.0	341.2	257.5	207.5	148.7	117.3	96.1	78.1
-25°	826.9	721.3	583.6	437.2	318.0	244.8	195.1	136.6	113.1	92.9	75.9
-27.5°	782.0	672.4	527.7	388.4	292.8	231.2	180.3	131.0	108.6	89.4	73.4
-30°	730.4	607.3	469.9	342.0	265.6	216.5	164.3	125.3	104.3	86.1	70.7
-32.5°	670.6	537.8	408.9	310.2	244.8	200.5	147.1	119.2	99.7	82.7	68.1
-35°	591.7	467.0	346.7	276.5	226.5	180.3	133.1	112.6	94.8	79.1	65.6
-37.5°	509.1	393.6	308.3	247.5	207.1	159.0	125.5	106.4	89.5	75.4	62.8
-40°	427.0	331.4	268.0	225.4	183.7	136.6	117.4	100.2	84.7	71.4	59.9
-42.5°	345.3	286.3	238.7	202.4	158.1	127.0	109.2	93.8	80.0	67.6	56.9
-45°	295.5	246.7	212.9	173.7	134.2	117.3	101.7	87.2	75.0	64.0	53.9
-47.5°	249.4	218.2	183.1	143.9	123.4	107.7	94.0	81.4	69.9	60.2	51.3
-50°	218.2	186.3	150.1	127.0	112.1	99.0	86.3	75.5	65.4	56.2	48.5
-52.5°	183.1	150.1	128.2	114.5	102.0	89.9	79.5	69.5	60.8	52.7	45.6
-55°	143.9	127.0	114.5	103.0	92.0	82.0	72.6	64.2	56.1	49.3	42.7
-57.5°	123.4	112.1	102.0	92.0	82.8	74.2	66.2	58.7	52.0	45.8	39.9
-60°	107.7	99.0	89.9	82.0	74.2	66.9	60.1	53.6	47.9	42.3	37.0
-62.5°	94.0	86.3	79.5	72.6	66.2	60.1	54.1	49.0	43.9	39.0	34.1
-65°	81.4	75.5	69.5	64.2	58.7	53.6	49.0	44.4	40.0	35.6	31.3
-67.5°	69.9	65.4	60.8	56.1	52.0	47.9	43.9	40.0	36.1	32.1	28.8
-70°	60.2	56.2	52.7	49.3	45.8	42.3	39.0	35.6	32.1	29.2	26.3
-72.5°	51.3	48.5	45.6	42.7	39.9	37.0	34.1	31.3	28.8	26.3	23.7
-75°	43.3	41.1	38.9	36.6	34.2	31.8	29.7	27.6	25.5	23.3	21.5
-77.5°	36.0	34.2	32.3	30.7	29.0	27.4	25.6	23.9	22.3	20.9	19.4
-80°	29.3	28.1	26.8	25.6	24.3	22.9	21.9	20.8	19.7	18.5	17.4
-82.5°	23.2	22.5	21.8	21.0	20.3	19.5	18.7	17.9	17.0	16.2	14.4
-85°	18.5	18.0	17.5	17.0	16.5	16.0	14.8	13.5	12.2	10.9	9.6
-87.5°	10.8	10.3	9.7	9.2	8.6	8.0	7.4	6.8	6.1	5.5	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



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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°	16.2	13.8	11.1	8.3	5.5	2.8	0.0
77.5°	18.0	16.5	13.8	10.4	6.9	3.5	0.0
75°	19.8	18.0	16.2	12.4	8.3	4.1	0.0
72.5°	21.5	19.4	17.4	14.4	9.6	4.8	0.0
70°	23.3	20.9	18.5	16.2	10.9	5.5	0.0
67.5°	25.5	22.3	19.7	17.0	12.2	6.1	0.0
65°	27.6	23.9	20.8	17.9	13.5	6.8	0.0
62.5°	29.7	25.6	21.9	18.7	14.8	7.4	0.0
60°	31.8	27.4	22.9	19.5	16.0	8.0	0.0
57.5°	34.2	29.0	24.3	20.3	16.5	8.6	0.0
55°	36.6	30.7	25.6	21.0	17.0	9.2	0.0
52.5°	38.9	32.3	26.8	21.8	17.5	9.7	0.0
50°	41.1	34.2	28.1	22.5	18.0	10.3	0.0
47.5°	43.3	36.0	29.3	23.2	18.5	10.8	0.0
45°	45.6	37.7	30.4	24.1	18.9	11.3	0.0
42.5°	47.8	39.4	31.5	24.9	19.3	11.8	0.0
40°	49.9	41.0	32.6	25.7	19.7	12.3	0.0
37.5°	51.9	42.5	33.8	26.4	20.1	12.7	0.0
35°	53.8	44.0	35.0	27.1	20.5	13.1	0.0
32.5°	55.7	45.5	36.1	27.8	20.8	13.5	0.0
30°	57.7	46.9	37.1	28.4	21.1	13.9	0.0
27.5°	59.6	48.1	38.0	28.9	21.4	14.2	0.0
25°	61.4	49.3	38.8	29.5	21.7	14.5	0.0
22.5°	63.0	50.4	39.6	29.9	21.9	14.8	0.0
20°	64.5	51.3	40.3	30.4	22.2	15.0	0.0
17.5°	65.7	52.2	40.9	30.7	22.4	15.3	0.0
15°	66.9	52.9	41.5	31.1	22.5	15.5	0.0
12.5°	67.8	53.6	41.9	31.4	22.7	15.6	0.0
10°	68.6	54.1	42.3	31.6	22.8	15.8	0.0
7.5°	69.2	54.5	42.6	31.8	22.9	15.9	0.0
5°	69.6	54.8	42.8	31.9	22.9	15.9	0.0
2.5°	69.9	54.9	43.0	32.0	23.0	16.0	0.0
0°	70.0	55.0	43.0	32.0	23.0	16.0	0.0
-2.5°	69.9	54.9	43.0	32.0	23.0	16.0	0.0
-5°	69.6	54.8	42.8	31.9	22.9	15.9	0.0
-7.5°	69.2	54.5	42.6	31.8	22.9	15.9	0.0
-10°	68.6	54.1	42.3	31.6	22.8	15.8	0.0
-12.5°	67.8	53.6	41.9	31.4	22.7	15.6	0.0
-15°	66.9	52.9	41.5	31.1	22.5	15.5	0.0
-17.5°	65.7	52.2	40.9	30.7	22.4	15.3	0.0
-20°	64.5	51.3	40.3	30.4	22.2	15.0	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	63.0	50.4	39.6	29.9	21.9	14.8	0.0
-25°	61.4	49.3	38.8	29.5	21.7	14.5	0.0
-27.5°	59.6	48.1	38.0	28.9	21.4	14.2	0.0
-30°	57.7	46.9	37.1	28.4	21.1	13.9	0.0
-32.5°	55.7	45.5	36.1	27.8	20.8	13.5	0.0
-35°	53.8	44.0	35.0	27.1	20.5	13.1	0.0
-37.5°	51.9	42.5	33.8	26.4	20.1	12.7	0.0
-40°	49.9	41.0	32.6	25.7	19.7	12.3	0.0
-42.5°	47.8	39.4	31.5	24.9	19.3	11.8	0.0
-45°	45.6	37.7	30.4	24.1	18.9	11.3	0.0
-47.5°	43.3	36.0	29.3	23.2	18.5	10.8	0.0
-50°	41.1	34.2	28.1	22.5	18.0	10.3	0.0
-52.5°	38.9	32.3	26.8	21.8	17.5	9.7	0.0
-55°	36.6	30.7	25.6	21.0	17.0	9.2	0.0
-57.5°	34.2	29.0	24.3	20.3	16.5	8.6	0.0
-60°	31.8	27.4	22.9	19.5	16.0	8.0	0.0
-62.5°	29.7	25.6	21.9	18.7	14.8	7.4	0.0
-65°	27.6	23.9	20.8	17.9	13.5	6.8	0.0
-67.5°	25.5	22.3	19.7	17.0	12.2	6.1	0.0
-70°	23.3	20.9	18.5	16.2	10.9	5.5	0.0
-72.5°	21.5	19.4	17.4	14.4	9.6	4.8	0.0
-75°	19.8	18.0	16.2	12.4	8.3	4.1	0.0
-77.5°	18.0	16.5	13.8	10.4	6.9	3.5	0.0
-80°	16.2	13.8	11.1	8.3	5.5	2.8	0.0
-82.5°	12.4	10.4	8.3	6.2	4.2	2.1	0.0
-85°	8.3	6.9	5.5	4.2	2.8	1.4	0.0
-87.5°	4.1	3.5	2.8	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)